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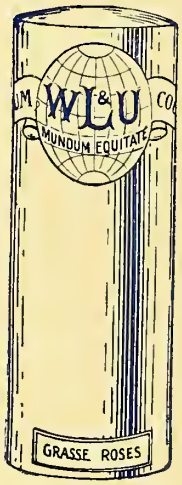

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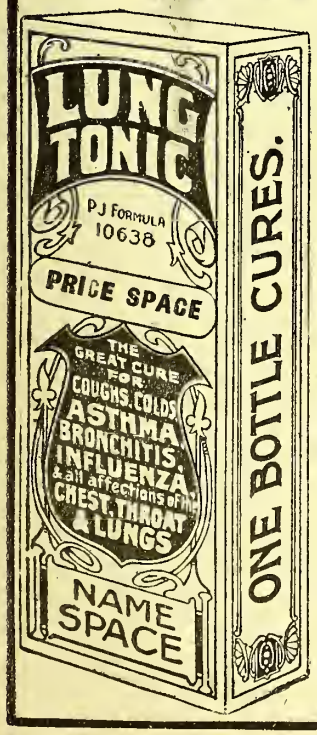

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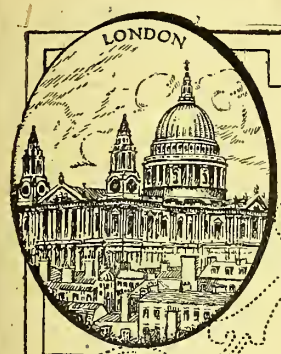

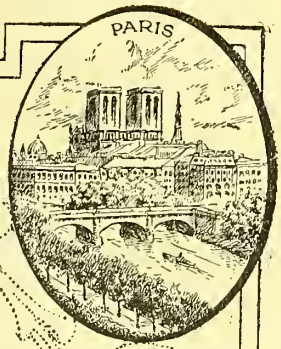

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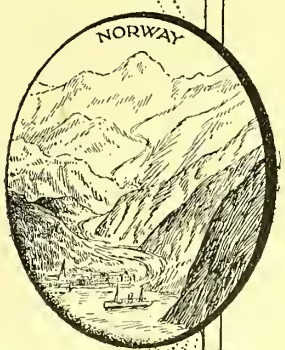
Resorcin
Saccharin
Salicylic Acid
Salicylate of Soda
Salol
Soda Benzoate
Soda Hyposulphite
Soda Sulphite Anhydrous
Sugar of Milk
Tannic Acid Leviss
Tannin Albuminate
Tartaric Acid
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

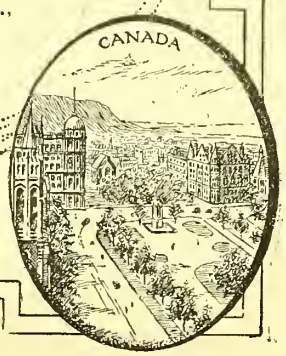


R. W. Greeff & Co.

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyds Bank Buildings,
King Street.

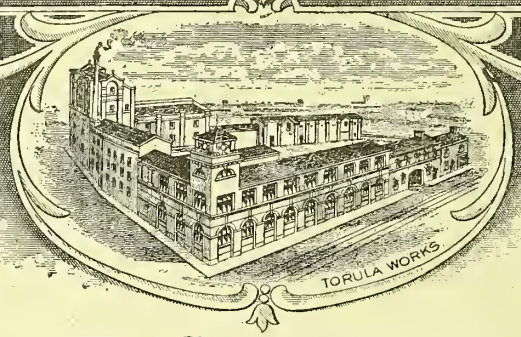
NEW YORK AGENTS
R. W. Greeff & Co., Inc.,
78 Front Street.



Chairman & Managing Director
ERNEST G. NICHOLS.
Directors
FRANCIS H. SPROTT, M.P.S. | WILLIAM KIRBY, M.P.S.
F. K. MILLER, F.I.C. & C.B. | B. HUME ADAMS.

TELEPHONE: 2109 CENTRAL
TELEGRAMS & CABLES
"MEDICATED, MANCHESTER."
CODES A.B.C. 5TH EDITION & MARCONI INTERNATIONAL

GEORGE HOLLIDAY & Co. LTD.
MANUFACTURING CHEMISTS. PERFUMERY & SOAP MAKERS.



MIDGLEY'S
PURE
SUPERFATTED
SOAPS,
MEDICATED
AND
TOILET.

"MEDICURA"
"VINELEAF"
"VINEBUD"
"VINTAGE"
"VINEYARD" SERIES
AND
"LILLIPUT"
SOAPS.

325, City Road,
MANCHESTER.

October 22nd, 1920.

Dear Sir,

We have very much pleasure in advising you that we have concluded an arrangement with our mutual friends, Messrs. EVANS SONS LESCHER & WEBB LTD., Liverpool and London, whereby that Company will as from November 1st act as our Sole Distributing Agents throughout the Home and Overseas markets.

Messrs. Evans will represent us in the fullest sense of the word; their representatives at home and abroad will carry samples of our Soaps and other products and by periodical personal visits to our Works be kept fully in touch with our latest developments.

Being free to devote ourselves exclusively to the improvement of our products according to the latest methods of manufacture, and the work of preparing constantly up-to-date publicity aids, we are confident in the hope that we may anticipate in the future an increased share of your orders.

All a/cs due to us in respect of goods supplied down to and including the 30th inst. should as from then be remitted to Messrs. Evans Sons Lescher & Webb Ltd.

Yours faithfully,

GEORGE HOLLIDAY & CO. LIMITED.

Inland Telegrams:
"Basilio, Liverpool."
Telephone: Royal 4760.

Trade Mark
(Registered)

Works and Laboratories:
Liverpool.
London.
Runcorn.

Evans Sons Lescher & Webb Ltd

Liverpool (Reg'd Office). London. New York.

(Associated with
National Drug & Chemical Co. of Canada, Ltd.)

Directors:
William Paterson Evans (Chairman).
Edward Alfred Webb (Deputy-Chairman).
Alfred Bickerton Evans. | Harold Edward Webb.
James Herbert Everett Evans. | John Nevett Evans.
Thomas Edward Lescher. | Kenneth Wollaston Everett Evans.
Stephen Foster Webb.

Liverpool,
56 Hanover Street,

October 22nd, 1920.

Dear Sir,

We beg to announce that we have entered into an arrangement with Messrs. GEORGE HOLLIDAY & CO. LTD. of Manchester, whereby we shall as from November 1st act as Sole Distributing Agents for their products, including Midgley's Medicated and Toilet Soaps, &c., throughout the world.

The increasing demand for Medicated and really high-grade Toilet Soaps, which trade we believe can be secured to the Pharmacist, is a sufficient justification for our associating ourselves with the sale of these more intimately.

The Toilet Sundries and Foreign Perfumery, &c., sections of Messrs. Holliday we have acquired and will continue as a sub-department of our Druggists' Sundries Room.

Complete stocks of Messrs. Holliday's manufactures will be kept in Liverpool and London for the convenience of executing small orders, whilst bulk orders will be executed direct ex Works to avoid the cost of a second handling and secure the absolute best terms to buyers.

Orders at present in hand unexecuted will be invoiced by us; the terms remaining as ex Makers

Yours faithfully,

EVANS SONS LESCHER & WEBB LIMITED.

Added to the Practical Trade Knowledge which you already possess,

a postal training in ACCOUNTANCY, SECRETARYSHIP and / or COSTING — under the METROPOLITAN COLLEGE, the 'Varsity of Commerce—will extend your prospects to a wonderful degree, bringing the highest-paid administrative posts within your grasp, and qualifying you to *direct* a go-ahead trading concern with every assurance of success.

Every enterprising undertaking welcomes with open arms *and open purse* the invaluable assistance of a man who has had the initiative to supplement his practical trade knowledge with a spare-time training in ACCOUNTANCY and its allied subjects. The return to keenly competitive trading conditions renders of vital importance the elimination of waste, the reduction of manufacturing costs, and the attainment of the acme of efficiency in commercial administration.

No matter how skilled and successful you may be in your present capacity, the £1000-a-year-and-more managerial positions will be *closed doors* unless you have the foresight to equip yourself with the necessary qualific tions provided by a METROPOLITAN COLLEGE training.

Remember that the complete course can be taken in spare hours, involving no interference whatever with your employment, the fees charged are most moderate (and may be paid by instalments, if preferred); also, the training is the proven best of its kind, under the MOST HIGHLY QUALIFIED STAFF IN THE KINGDOM, comprising many Final Honours Men, Chartered Accountants and Barristers-at-Law.

WRITE TO-DAY FOR THE "STUDENTS' GUIDE," FREE AND POST PAID.

METROPOLITAN COLLEGE, Dept. 447, ST. ALBANS.

Maw's Page

October 23, 1920. No. 471.

The Pharmacist's own Proprietary "Parex" Manicure Methods

Because they are the exclusive property of the pharmacist and are not supplied to outside trades—Because they bring repeat orders to the pharmacist only—Because they are helping him to secure the business of manicure requisites for himself, "Parex" Manicure Methods are stocked and prominently displayed by all discerning members of the profession.

"Parex" Manicure Methods are a concrete example of the fact that the thought of to-morrow governs the policy of the House of Maw to-day; a definite illustration of our loyalty to the retail pharmacist.

Concentrate on "Parex" Manicure Methods for Christmas Business; The "Standard" Set which sells at 10/6 and the "Bijou" Set selling at 2/6, are splendid gift lines; and you will be laying the foundation for profitable regular business.

Telephone: "City 7" (Private Branch Exchange).

S. Maw, Son & Sons, Ltd., 7/12 Aldersgate St., London, E.C.1.

Telegrams: "Eleven Cent, London."

Violiv

NOTICE.

The Violiv Manufacturing Co.

EDINBURGH.

Owing to the marked expansion of our business and the ever-increasing demand for

VIOLIV TOILET PREPARATIONS

We have removed to larger premises, which we have converted into a Model Factory—where all our high-grade preparations are now being made under the most up-to-date hygienic conditions.

OUR POLICY

is, as always, to give complete satisfaction to the general public—and really efficient service to you. We want

YOUR CO-OPERATION

and to ensure this, our efforts will always be concentrated on—Quick Selling Lines—to make Satisfied Customers—and Generous Profits to you—with up-to-date Aids to Sales.

Your suggestions, criticisms, and requests will be welcomed at all times—for

WE ARE OUT TO SERVE YOU—WELL!

Note our New Style and Address:

The Violiv Manufacturing Co., Ltd.

39 Caledonian Crescent - - EDINBURGH

Sole Agents: PATTINSON & MACKIE Ltd.
Albion House, New Oxford St., London, W.C. 1

V29. NorAd

Violiv

SPECIAL OFFER FOR ONE WEEK

The Violiv Manufacturing Co. Ltd.

P.A.T.A. *Quick-Selling Lines* P.A.T.A.

1/6 **VIOLIV FACE CREAM** **1/6**

The leading Cream—wins its way by merit to the most exclusive dressing-tables. A "great" repeater.
11/- per dozen.

3d. **COCOANUT OIL SHAMPOO POWDERS** **3d.**

The latest addition to the Violiv family. It is first in the field at popular prices. Its quality makes it sell at sight.
11/- per dozen cartons.

4½d. **VIOLIV ICE** **4½d.**

To show this Winter line is to assure a steady flow of business. It brings quick and *recommended* business at a generous profit. **24/- per gross.**

QUENCHOLEEN HOT CUP

The New Winter Drink, different, and better, than cordials and syrups.
Sells at **2d.** per packet, or **2/-** per Carton.
13 packets in Carton, **16/-** per dozen Cartons.

Write to-day for Trial Parcel

containing :	2 dozen Shampoo Powders	£1 2 0	
	1 dozen Face Cream	11 0	
	1 dozen Quencholeen Hot Cup ...	16 0	REALISES
	1 gross Violiv Ice	1 4 0	£7 0 0
		£3 13 0	
	SPECIAL OFFER DISCOUNT ...	9 0	PROFIT
		£3 4 0	£3 16 0

Showcards and Window Bills supplied for the four lines with order.

Orders for this Special Parcel not accepted after 30th inst.

SOLE AGENTS :—

PATTINSON & MACKIE LTD.

Albion House, 59 New Oxford Street, LONDON, W.C. 1.

HIGH-CLASS REPRESENTATIVES are wanted for all territories.
Write at once, stating full particulars, to above address.

V30. NorAd

TRADE MARK.

Telegrams:
"Aybelim, Finsquare, London."
Cables:
Code, A B C, 5th Edition.

Telephone:
CLERKENWELL 1347
" 1348
" 1349
Pte. Exchange.

WE HAVE NOW IN STOCK

FOR

XMAS TRADE

MANICURE SETS from 2/- each.

PERFUME SPRAYS " 3/- "

SHAVING SETS " 4/- "

A visit to our Showrooms and your Inquiries Respectfully Solicited.

ARTHUR BERTON LTD.

REGISTERED OFFICE, SHOWROOMS AND WAREHOUSE:

15 & 17 Worship Street, LONDON, E.C. 2

ALSO AT

MANCHESTER,
46a MARKET STREET.

GLASGOW,
11 MILLER STREET.

AYRTON'S WEEKLY PAGE 15

One moment, please!

Does Personal Service Advertising appeal to you?

Our Service is Your Service!

Would you be interested to know about our special method of directing prospective purchasers of the Ayrton Line of Toilet Articles and Household Remedies direct to *your* pharmacy?

We make our Publicity Service your Publicity Service and your Pharmacy reaps the benefit.

Get acquainted with the Ayrton Line of Toilet Specialities & Household Remedies at our expense.

Send a post card to-day for particulars. If your application is received before noon Tuesday, October 26th, we will send you free of charge one of the following Ayrton Toilet Specialities:—

Ayrton's Complexion Wax
Ayrton's Skin Cream
Ayrton's Solidified Brilliantine

Please specify which article is required.

Publicity Department—

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **LIVERPOOL**

JOB BROTHERS

GUARANTEED PURE GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

IS THE FINEST OIL PRODUCED

It is perfection in colour, smell, taste and absolute purity.
Manufactured from the finest fresh Cod Livers on same day as fish caught.

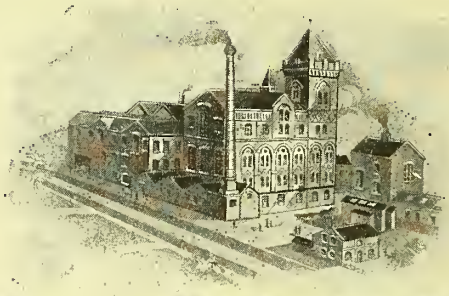
WHOLESALE ONLY

JOB BROS., Manufacturers, Tower Building, LIVERPOOL

Telegraphic Address: "JOB LIVERPOOL" Tel.: 1039 CENTRAL

And of ST. JOHN'S, N.F. Established 1780

"John Bull" (REGD.)



MALT EXTRACT

and

COD LIVER OIL

Does not separate.

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

MALT EXTRACT POWDER. MALT FLOUR for INFANTS' and INVALIDS' FOODS.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

Castols

Nice as Chocolate

"No more Castor Oil"

¶ This is little Bobbie Castol—the "Mascot" with the smile—who has become a well-known feature of Castol publicity.

THOMAS KERFOOT & Co. Ltd.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, England.
ESTABLISHED 1767.

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BEAZ

BEES BUILDINGS - - BLACKPOOL

The Finest Toilets extant

Perfumes of Volnay } Paris Nildé Crème de Beauté
Poudre Volnay } Paris Nildé Poudre and Rouge
Delia Poudre

ZEBA CRÈME AND PERFUMES

Hair Creams, Tonics, Lotions, Dentifrice, Bath Crystals.

THE ROAD TO

BEES ROAD

THE FIRM
for all high-class Toilets

Tooth Brushes
Hair Brushes
Shaving Brushes
Dressing Combs
Hair Slides

BEAZ LTD.

BEES BUILDINGS,
BLACKPOOL.

Price Lists on Application

Manicure Requisites and Sets
Parisian Necklets
Puffs
Razors
Scissors

THE ROAD TO.

BEES ROAD

NORTHERN AGENTS for

REGENT TOILET Co., Ltd.

LONDON.

SOLE AGENTS - - NILDÉ, VOLNAY, and DELAPINE, PARIS.

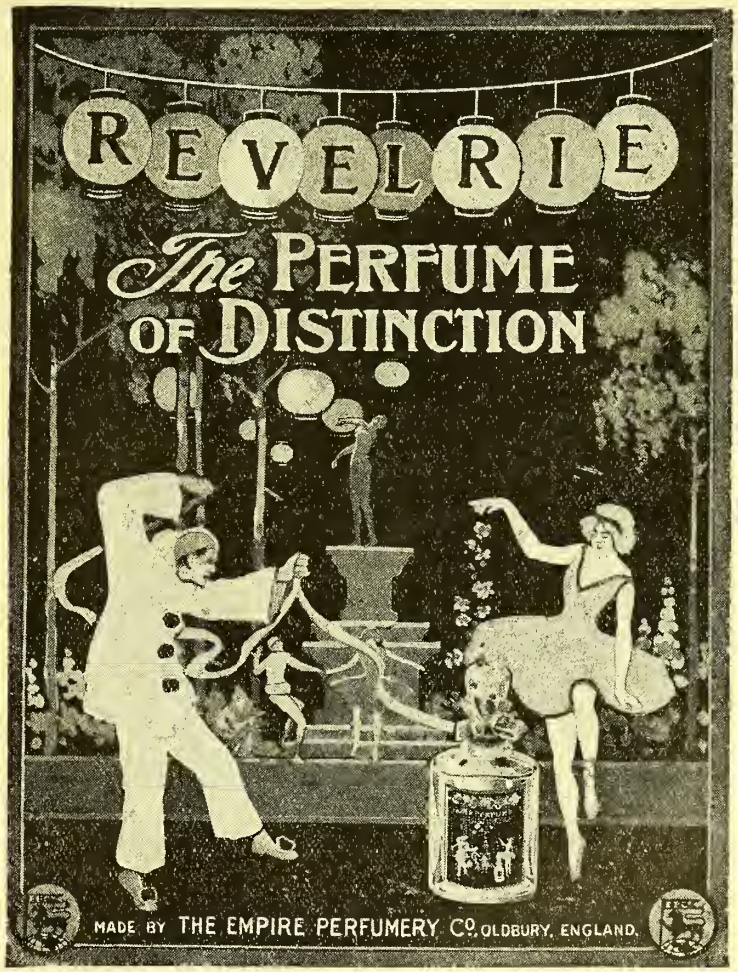
SECURE YOUR SUPPLIES
OF
NILDÉ and VOLNAY
Poudre and Perfumes
NOW!

LOOK OUT FOR OUR STOCKROOMS.

Admitted by leading Chemists and others that we have the finest range of high-class goods, **AND PRICES ARE RIGHT.**

THE FIRM THAT WILL WIN YOUR CONFIDENCE!

YOU will be asked for REVELRIE



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PRICES:

E164 ... 42/6 per doz.
E165 ... 75/- ,,
E166 ... 137/6 ,,

Also for presentation in cut-glass bottles and cases.

Exporters and Shippers supplied in Bond.

EMPIRE PERFUMERY Co.
(*Proprietors: Cuxson, Gerrard & Co., Ltd.*)
Oldbury, near Birmingham.

TERPENELESS OILS
BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniperberry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CINNAMIC ALDEHYDE
GERANIOL
CITRAL
EUCALYPTOL

SICILIAN
LEMON - BERGAMOT
ORANGE - MANDARINE.
SPINELLI
The Oils that have a Long Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Silician Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.
Lavington Street, Southwark, LONDON, S.E. 1.

A B C Code, 5th Edition.
Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

PEPPERMINT OIL
(NEW CROP)
"FLOR MINT"
BRAND.
Distilled by LOUIS RAISSAC
Proprietor of the
Montagne Noire
Plantations and Distilleries at
Revel & Toulouse,
FRANCE.

Sole Agent for the U.K.:
C. A. CHARPENTIER,
75 Great Titchfield Street, LONDON, W.1.

Telephone: Museum 6412.
Telegrams: "Synthetoli, Wesdo, London."

A. GIDLOW & CO.
(Established 1896)
Broom Lane, Levenshulme, MANCHESTER.
MANUFACTURERS OF
SHAVING CREAMS
Packed in 1-lb., 2-lb., 7-lb. Boxes and 56-lb. Cases.
Also packed in Collapsible Tubes.
PROPRIETORS & MANUFACTURERS OF
RENARD'S POMADE HONGROISE
Also supplied in unlabelled Tubes and Bulk.
Samples and Prices on Application.
WHOLESALE ONLY.

CORRUGATED PAPER
ROLLS, SHEETS, BOXES
(collapsible)
Cartons, "Cut Pieces," Strong Outers, for every description of Packing.
Keenest Prices. Quick Delivery.
Inquiries Welcomed.
The Guildhall Corrugated Paper Co.
Guildhall Bdgs., Navigation St., **BIRMINGHAM.**
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Telephone: Central 4291.

SYNTHETIC OTTOS

"Zinyl" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS

THE Synthetic Otto of Neroli, "Zinyl" Brand, for instance, used in the proportion of ¾ oz. to the gallon of spirit is equal to a concentration of 220 times, or about five times stronger than the "concentrated perfumes"; this gives an excellent basis for Eau de Cologne, and we suggest a reference to "Pharmaceutical Formulas" for many admirable forms for this and other perfumes.

Yet the present price of this Otto is only 10/- oz., against to-day's value of fine Oil of Neroli about 72/- oz., and 5 drachms of the Synthetic Otto are equal to one ounce of the natural oil.

Some of the Synthetic Ottos shows even greater advantages, *e.g.*, Rose (described by the *Chemist and Druggist* in 1912 as "a triumph of Synthetic Chemistry") is still 21/- oz., while fine Turkish Otto is quoted to-day at 120/- oz.!

BERGAMOTTE. A substitute for Natural Bergamotte Oil ... ... 25/- lb.

CARNATION. Intensely fragrant, exactly resembles the flower ... 10/- oz.

GERANIUM. Much stronger than the natural perfume ... ... 5/- oz.

HELIOTROPE. The true odoriferous principle of this delightful flower... 10/6 oz.

HYACINTH. Gives a fine delicate perfume ... ... 9/6 oz.

JASMIN. We consider this Otto one of the best of the series ... ... 10/6 oz.

LAVENDER. Stronger than the natural oil ... ... 5/- oz.

LILAC. A true synthetic product of great delicacy ... ... 9/6 oz.

LILY OF THE VALLEY. A perfect imitation of the flower ... ... 13/6 oz.

NEROLI. Of exquisite flavour; very useful in making Eau de Cologne 10/- oz.

ORANGE BLOSSOM. A very delicate perfume, though not so powerful as some of the series ... ... 11/- oz.

PINK. An exquisite product, true to the flower ... ... 10/- oz.

ROSE. One of the finest and most delicate Synthetic Ottos on the market. The "Zinyl" Brand passes the most discriminating tests, and is almost indistinguishable from genuine otto, and, though much stronger, costs but a fraction of the price ... ... 21/- oz.

ROSE RED. This is the Red Rose of Provence ... ... 21/- oz.

ROSE WHITE. ... ... 18/- oz.

SWEET PEA. A novelty recalling the delightful odour of this favourite flower ... ... 10/- oz.

SYRINGA. Also a new product ... 10/- oz.

VIOLET. A universal favourite, in general demand ... ... 10/6 oz.

VIOLET DE PARME. A variation of the preceding Otto ... ... 15/- oz.

WALLFLOWER. Recalls this beautiful old-fashioned flower ... ... 10/6 oz.

Oriental Synthetic Otto

"ZINYL" BRAND

This beautiful product has a most powerful heavy odour absolutely reminiscent of the Far East and is a pronounced success, being supplied to various well-known houses - 17/6 oz.

H. E. STEVENSON & CO.

122 Great Suffolk Street, London, S.E. 1.

CARRY ON!

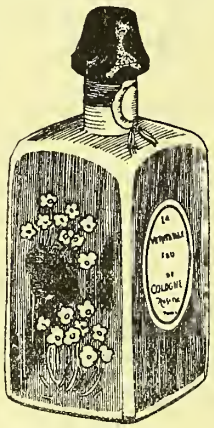
A large percentage of chemists have already bought their Xmas stocks of Perfumery.

Will any who have not, study ours at their leisure and order for delivery AFTER THE STRIKE.

Models at 4/6 to 21/- or 21/- to 63/- gladly sent for inspection.

A BEAUTIFUL XMAS LINE

ROSINE EAU DE COLOGNE



IN HAND-PAINTED BOTTLES, GLASS STOPPERED, CAPPED WITH GAY SILKS.

In assorted floral designs, also in HOLLY, MISTLETOE, & HOLLY & MISTLETOE.

¼ litre (10-oz.) 25/6 retail
½ „ (20-oz.) 42/6 „
1 „ (40-oz.) 82/6 „
Less 33⅓%

W. H. CALNAN & CO.,
30-32 LUDGATE HILL, E.C. 4.

NESTOR MOURANCHON.

Offices: 40 Rue Damremont, PARIS. Telegrams: "Barthgay Paris." Telephone: Marcadet 15/92.
Distilleries and Laboratories: Chateauneuf-Val-St.-Donat (nr. Grasse), and Romans (Drôme).

SPECIALITIES: Menthes, Neroli, Petitgrain, Patchouli, Otto of Rose, Violet Essence, Gant de Saxe.
"ESSENCES DE MONTAGNE" and Imported Products.
Lavender, Aspic, Thyme, Girofle, Badiane, Geranium, Ylang Ylang, Musk, Ambre.

PRICE LIST ON APPLICATION TO WHOLESALERS ONLY.

Sole Agents for British Isles and Colonies:—

A. BREZET & CO. LIMITED,

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Telephone: Avenue 3543. Telegrams: "Abrezical, Phone, London."

TELEPHONE: 2096 CLERKENWELL.

TELEGRAMS: "LONABARC, FINSQUARE, LONDON."

ESSENTIAL OILS

LONABARC TRADING COMPANY, LIMITED

5 FINSBURY SQUARE, LONDON, E.C.2.

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."

CHLOROPHYLL C.

Fast to Light and Acid—Absolutely Pure. Guaranteed to be of uniform concentration and shade, and to give an entirely clear solution.

The Sandoz Chemical Co., Ltd., BRADFORD.

SILKODONO
for the HAIR & SCALP

FINAL OFFER OF 1 DOZ. FREE

The Special Bonus Terms quoted in this advertisement hold good only until Saturday, Oct. 23.

There is therefore no time to lose if you would secure your first supply of SILKODONO on these exceptionally profitable terms. These terms, by the way, also apply to repeat orders.

Send your order now.

You will never have another opportunity of purchasing SILKODONO on a more advantageous basis.

With orders for Three Dozen Bottles of SILKODONO (either size) and on the clear understanding that you will give us a good Window or Counter Display, we will send you One Dozen Bottles absolutely FREE. With orders for One Dozen only we will send Two Bottles FREE.

WHOLESALE TERMS:

2/6 size, 20/- per doz.
4/6 size, 36/- per doz.

During the week just finishing huge numbers of people from every village, town and city in the Kingdom have sent for a Free Trial Supply of SILKODONO. In 7 days' time these people will be coming to you for regular supplies. Will you turn them away empty-handed? You can't sell them anything else that will give them the same satisfaction and we are sure that you cann t offer them any other prepara ion that will yield you as big a profit as SILKODONO. The Special Terms we quote to-day give you a margin of from 75% to 100%! And it is "Easy Money" because SILKODONO sells with little or no effort on your part. Our big Free Samole Campaign is creating the demand and sending this profitable business right to your door. But SILKODONO won't swell your bank balance in the slightest until you put a few dozen on your shelves. Do it now. Send that trial order to-day—whilelyou have the opportunity of benefiting by the present exc-ptional offer which expires Saturday, October 23.

Manufactured by SILK'S TOILET CO., Red Lion St., Holborn, London, W.C.1.

Telephone: Holborn 3095. Telegrams: "Silporanob, Holb. London."

THE BEST BY TEST.

PREEMO

Concentrated Essences, Floral Ottos and Compounds.

The Finest Essences in the World for making Hair Lotions, Creams, Pomades, Brilliantines, Perfumes, &c.

The name PREEMO is derived from the word Premier—which, of course, means first or leading. Why experiment with Essences of secondary quality, thereby losing time, money, and endangering your reputation, when the finest and most dependable Essences the trade has ever known are within your reach—at prices which are no higher than those charged for inferior Essences? The word PREEMO is, indeed, a guarantee of Quality, and that, in short, is the reason why it is the most extensively used brand of Essences on the market to-day.

SEND FOR FREE SAMPLES.

THE PREEMO CONCENTRÉ & ESSENTIAL OIL COMPANY

63 HIGH HOLBORN, LONDON, W.C. 1. 32 RUE DE MONTENOTTE, PARIS.

Telephone: HOLBORN 3095. 97 Warren St., NEW YORK. Telephone: WAGRAM 27-35.

Pompeian

BEAUTY PREPARATIONS

The Pompeian Campaign Now in full Swing

THE policy of the Pompeian Company extends far beyond the mere placing of goods on your shelves—its principal aim is to **get those goods off your shelves and into the hands of the public.**

This is being done by strong advertising which commenced with a full-page announcement in the *Sunday Pictorial* on October 17th and a front page of the *Daily Mail* on October 23rd (a combined circulation of over four millions). This provides a solid foundation for the subsequent advertising, which will be frequent, and persistent large space announcements in these and other strong sales-pulling papers.

If you already stock Pompeian Preparations you will have felt the effect of this advertising in over-the-counter sales—but the effect of advertising is always cumulative—it must ever push forward with increasing effect.

To get full benefit from the Pompeian Campaign give Pompeian Preparations and their showcards, etc., a prominent position in your Pharmacy that the public may recognise you as a Pompeian stockist. Also keep a keen eye on your stocks and use the order form below to make up deficiencies.

NOTE.—Go easy for a little while in ordering Pompeian Massage Cream, Pompeian Night Cream, and Pompeian Fragrance. Excellent productions all, but not yet being extensively advertised. Order as much as you like of Pompeian Beauty Powder, Pompeian Bloom and Pompeian Day Cream. The advertising of these will help you make quick turnovers.

J. E. ELLIS, LTD. (Sole Agents in British Isles for Pompeian Co., of Cleveland, Ohio), (Dept. C.D.) **50 Wellington St., LEEDS.**

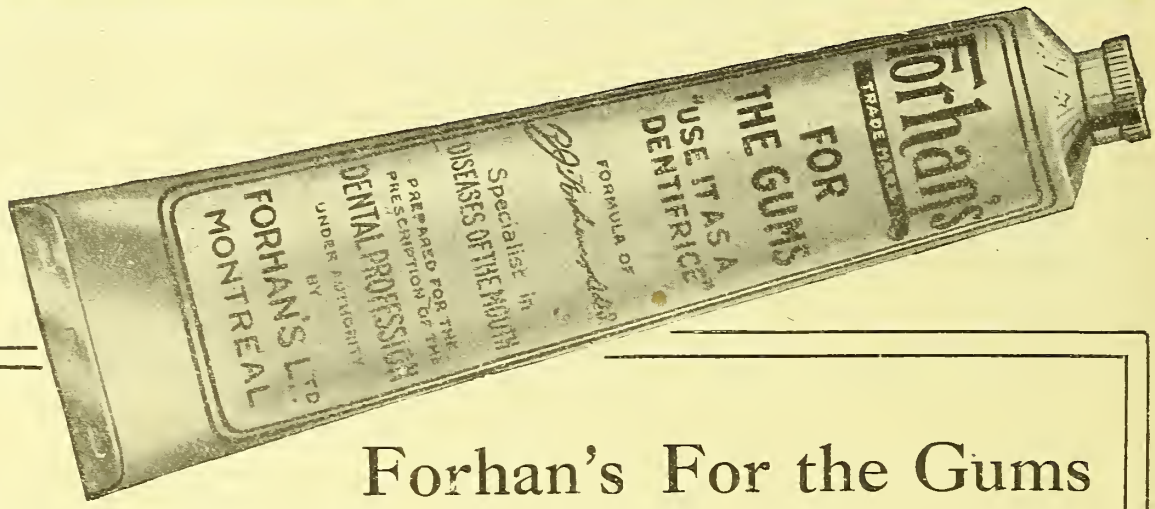
	Per Doz. Net. £	s.	d.	Retail Price each. s.	d.
Pompeian Beauty Powder. A high-class face powder—delightfully perfumed	1	1	0	2	6
Pompeian Day Cream (Vanishing). White and pure, especially suited for oily skins. Attractively perfumed	1	1	0	2	6
Pompeian Bloom. A rouge in a hard cake (boxed) with puff—light, medium and dark	1	1	0	2	6

Note exceptional PROFIT of 43% on outlay; 30% on sales plus extra 5% discount for £5 upwards.

	Per Doz. Net. £	s.	d.	Retail Price, each s.	d.
Pompeian Massage Cream. A pink cream for cleansing and massaging the skin ... Small	1	1	0	2	6
Do. do. Medium	1	12	0	3	10
Do. do. Large	2	2	0	5	0
Pompeian Night Cream. A perfected cold cream ...Tubes		12	7	1	6
Do. do. Small Jar		16	1	1	11
Do. do Large Jar	1	12	2	3	10
Pompeian Fragrance. A talcum powder with a delightful odour		10	6	1	3

Overstocks gladly reduced.

P.A.T.A.



Forhan's For the Gums is More than a Dentifrice.

FORHAN'S For the Gums, a pleasant, smooth dentifrice in the popular tube form, splendidly fulfils the mission of the ordinary good dentifrice. It keeps the mouth healthy, the teeth white and clean.

And Forhan's goes further. Because it contains a percentage of Forhan's Astringent, Forhan's For the Gums is recommended by reputable dental surgeons everywhere for the prevention and treatment of Pyorrhea, sore and tender gums, etc.

As a dentifrice with special medicinal properties, Forhan's is subjected to the government tax imposed on drugs and medicines, and may be sold only by those qualified under the law to handle such goods. It may be supplied after the closing hour for ordinary dentifrices.

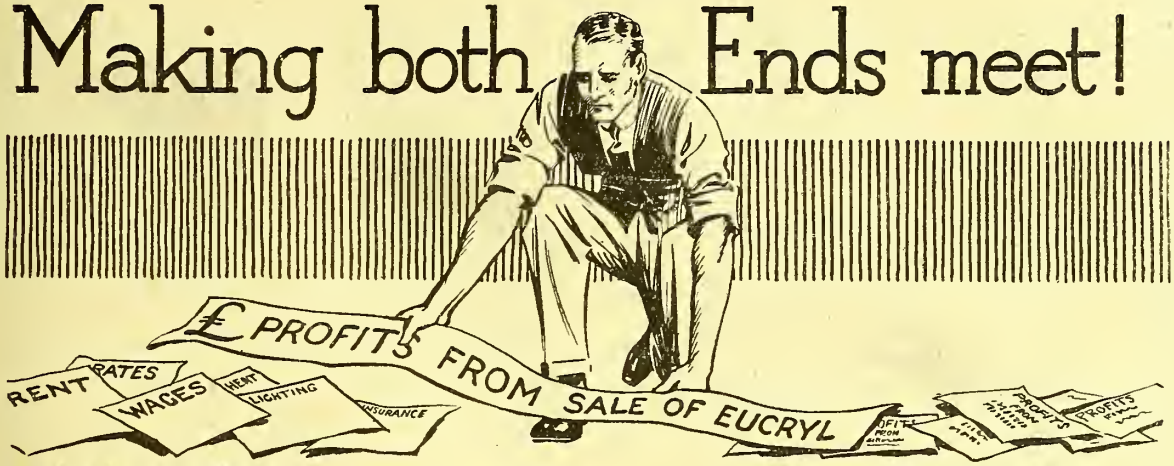
Advertised compellingly and persistently in newspapers and magazines with circulation throughout the United Kingdom (the *Daily Mail* is only one of the media regularly carrying the Forhan message), Forhan's has awakened a steadily growing demand which must be met.

Put up in double-size tubes only, keeping indefinitely after opened without hardening, Forhan's is worthy of your serious consideration. May we send you complete trade information and price list? Displays are available at request.

THOS. CHRISTY and COMPANY,
4-12 OLD SWAN LANE, LONDON, E.C. 4.

Forhan's
FOR THE GUMS

Making both Ends meet!



EXPENSES **TAKINGS**

IN these days of high expenses it is absolutely essential that you should handle quick-selling lines—lines that are in constant demand and which bear a good profit. Under this heading undoubtedly comes EUCRYL DENTIFRICES, for they are efficient, hygienic and reliable products.

The dentists recommend Eucryl dentifrices, the public want them, and they are well advertised.

Stock EUCRYL freely. Display it prominently, and so secure your share of the big profit.

If you are short of stock send us a postcard.

Eucryl Tooth Powder, small tins	**7½d.**
,, ,, ,, large ,, ...	**1/2**
,, ,, ,, sprinkler tins (magnum size) ...	**1/6**
,, ,, Paste, medium (new size)	**10½d.**
,, ,, ,, large size	**1/3**

Lycryl Brand Lysol, revised selling prices:—

4-oz. bottle,	**1/3**	16-oz. bottle,	**3/6**
8-oz. ,,	**2/3**	32-oz. ,,	**5/9**

EUCRYL LTD., 138 Borough, S.E. 1

Telegrams: "EUCRYL, SEDIST, LONDON." Telephone: HOP 2268.

BOURJOIS

PARIS.

POUDRE de RIZ de JAVA

No. 45. 2/- Size.		
1 doz.	...	16/- doz.
6 ,,	...	15/9 ,,
12 ,,	...	15/6 ,,

No. 495. 1/3 Size.		
1 doz.	...	11/- doz.
6 ,,	...	10/9 ,,
12 ,,	...	10/6 ,,

The P.A.T.A. prices for "Poudre de Riz de Java" are 2/- and 1/3 per box.

"JAVA" Powder is now being largely advertised to the public.

LOOK TO YOUR STOCKS.

A. BOURJOIS & Cie, Ltd., 66 Carter Lane, LONDON, E.C. 4.

Also manufacturers of the celebrated "ASHES OF ROSES," 15/- per dozen.

IMPORTANT NOTICE.

Enolin

The Retail Price of Enolin Tooth Paste & Powder now is

PASTE - 1/6 & 10d. per tube.

POWDER 1/3 & 7½d. per tin.

YOUR PROFIT INCREASED

Special Cash Allowance for Window Displays.

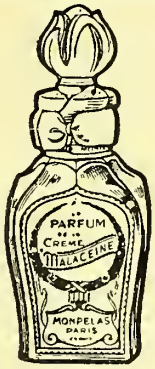
Write for new terms and particulars of this largely advertised proprietary to "Sales" Department.

A. & E. CARRERAS, Ltd., 207 King St., Hammersmith, W.6

Sole Export Agents :

PATTINSON & MACKIE, Ltd., Albion House, 59 New Oxford St., London, W.C.1

MALACEÏNE



MALACEÏNE PRODUCTS

Manufactured by

"PARFUMERIE MONPELAS"

PARIS.

On the P.A.T.A.

No.		Wholesale Price Per Doz.	Minimum Retailing Price Each.
62	Crème Malaceïne, Small size - -	21/-	2/6
63	,, ,, Medium size - -	42/-	5/-
64	,, ,, Large ,, - -	66/-	7/6
67	Poudre Malaceïne - - - -	34/-	4/-
71	Malaceïne Toilet Soap - - -	31/-	3/6
78	,, Shaving Soap - - -	31/-	3/6

SHOWCARDS SUPPLIED.

An extensive Advertising Campaign is now proceeding in all the principal Society Papers.

SPECIAL TERMS—

Small quantities - - - - - - $7\frac{1}{2}$% 1 Month

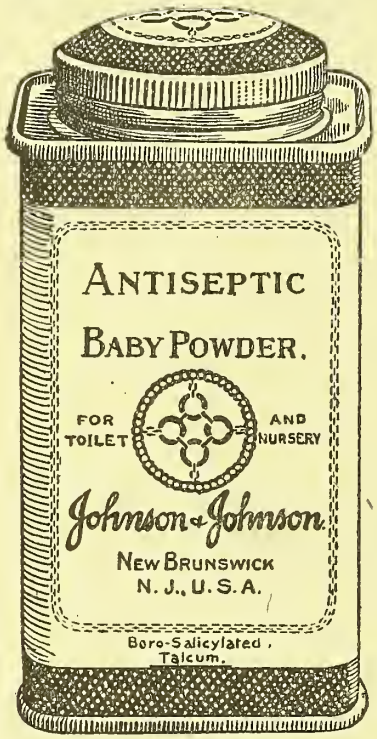
£5 lots and upwards - 5% Invoice and $7\frac{1}{2}$% 1 Month

SOLE WHOLESALE AGENTS FOR

GREAT BRITAIN, IRELAND, SOUTH AFRICA and INDIA—

WILLIAM TOOGOOD LTD.
77, SOUTHWARK ST
LONDON, S.E.1.

SOLD THE WORLD OVER.



Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON
British - Manufacture.

Made from the Best Talcums and Delicately Perfumed.

Bonus given for order of 2 gross and window display.

For particulars apply to—

JOHN TIMPSON & Co., Ltd.
104 Golden Lane - - E.C. 1.

To Satisfy your Customers Is to Increase your Business

LINARIS TOILET PREPARATIONS

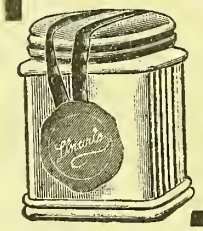
(1) Give absolute satisfaction—Guaranteed
(2) Are prepared from the finest Drugs obtainable.
(3) Show splendid profits to the Retailer.
(4) Invariably bring repeat orders.
(5) Are beautifully packed in Opal-topped Jars and large golden boxes tied with purple ribbon. Make a splendid counter show.

LINARIS Vanishing Cream
LINARIS Bath Powder
LINARIS Henna Shampoo Powder
LINARIS Camomile Shampoo Powder
LINARIS Massage Cream
LINARIS Tonic Cream
LINARIS Beauty Cream
LINARIS Face Powders

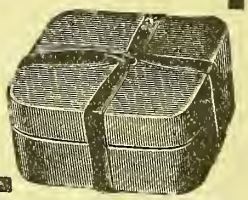
Profit of over **33⅓%**

Send direct to

LINARIS TOILET PREPARATIONS (Dept. X)
31 Westbourne Grove, London, W.2



Carriage paid on all orders over £5.



EASTERN TRADING Co. Ltd.
St. Giles, Salisbury.

Importers of Face or Powdered Paper.

Stocked in Rouge, White, Pink and Natural.
Cases of 50 reams. 96 sheets per ream.
Rouge, 11/-, other colours 8/- per ream, *ex* store London.

YOU CAN NOW GET YOUR SUPPLY OF

BEUTOL Egyptian Toilet Preparations

from your usual Wholesaler, or direct from Manufacturers at the following prices:

BEUTOL Vanishing Jelly ... 10/- doz. BEUTOL Beauty Milk ... 16/- doz.
BEUTOL Hair Tonic ... 20/- „ BEUTOL Shampoo Powders 24/- gross
BEUTOL Egyptian Perfume 28/- „ BEUTOL 2 oz. Brilliantine 16/- doz.
BEUTOL 1-oz. Brilliantine ... ... 8/- doz.

National Advertising Campaign Commenced

SKINETOLIN CO., LTD., Sole Manufacturers,
13 Kirkwood Road, Chalk Farm, London, N.W. 1 (1)

STRODONIA Vanishing Cream.

NOW SUPPLIED IN
ALUMINIUM SCREW-CAPPED JARS.

10½d. size—7/6 doz. 1/3 size—10/6 doz.

FROM LONDON WHOLESALERS.

Direct orders value **£5**, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; **£2/10/0** subject to ½-doz. 1/3 size Bonus for window display, net.; **£1/10/0** subject to ¼-doz. 1/3 size Bonus for window display, net. Carriage paid on **£1/10/0** upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

GIVE it a good show and it sells itself. There is nothing just like it. The excellence of the product and the practicability of the box make customers for you.

Shows you 33⅓ % on selling price.

POUDRE NILDÉ

in the Sifter Box.

Appeals irresistibly to every woman. The quickest selling line of face powder ever shown.

MINIMUM SELLING PRICES:

POUDRE NILDÉ
in the Sifter Box.

Handbag size	1/-
Medium size	2/-
Large size	3/6
Leather or fancy silk vanity cases, with mirror, small size	5/-
Medium	7/6
Large	10/-

Shades:
Blanche, Rachel, Naturelle, Rosée, Basanée.

NILDÉ LIP SALVES
In elegant metal containers.

Pommade des Lèvres	white	1/-
„	Rouge or Carmine	1/3

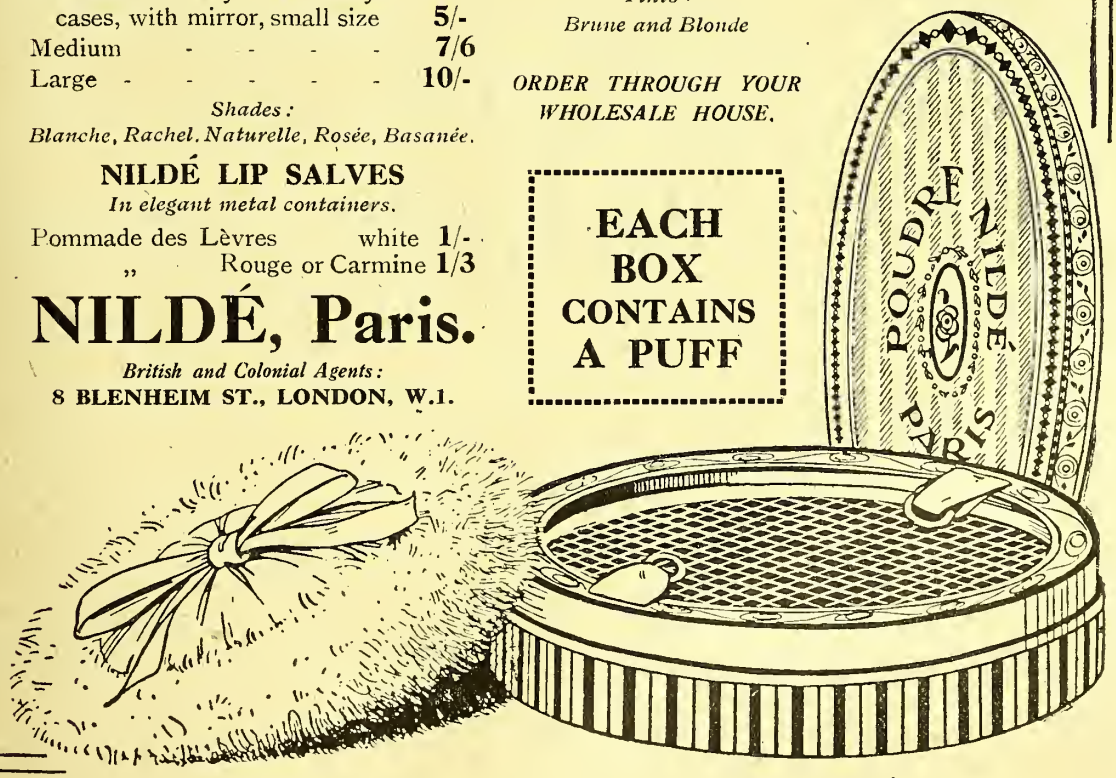
ROUGE INVISIBLE NILDÉ
in the Sifter Box.

Small size	1/6
In leather case	5/6

Tints:
Brune and Blonde

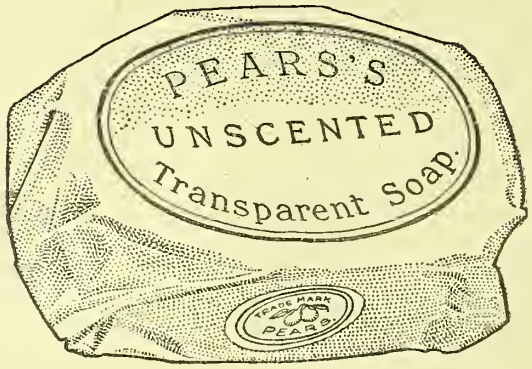
ORDER THROUGH YOUR WHOLESALE HOUSE.

EACH BOX CONTAINS A PUFF



NILDÉ, Paris.

British and Colonial Agents:
8 BLENHEIM ST., LONDON, W.1.



That Pears' Advertising is good and effective is the opinion of experts. Show Pears' Goods and you will reap the benefit.

Pears

THE "DAILY MAIL" SAID INTERESTING THINGS ABOUT the prevalence and cause of grey hair among our young folk, and we have produced a strikingly attractive, business-pulling poster. This, with the continuous, never-ceasing Press Publicity, and strong local show material, makes "Quin-Quenna" *the certain selling line that it is.*

LET US SEND YOU IMMEDIATELY

a poster along with 2 cartons each 6 dozen with **2 dozen free as bonus,** and other advertising aids. *It will come carriage paid.* P.A.T.A. 6d. per packet. Note the profit on selling price!

4/- Quin Quenna BETTER THAN A SHAMPOO **43%**

Per Doz.

THOS. CHRISTY & CO.,
4/12 Old Swan Lane, E.C. 4.

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small	28/- doz.	3/6
Medium	48/- „	6/-
Large	168/- „	21/-

Usual Trade Terms.

PRODUCT OF

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

ERASMIC TOOTH PASTE

stands alone as the most delicious and fragrant of all Dental Creams.

It is the most effective Tooth Cleanser, beautifier and preserver.

SPECIAL BONUS OFFER
for Window Display.
PLEASE WRITE FOR PARTICULARS.

ERASMIC - Perfumers - WARRINGTON

ENVELOPES

FOR ALL PURPOSES

WE are offering a number of Special Value Lines.

Write for Sample Set, post free on application.

Send us samples of the envelopes you have in use, let us quote for these, and you will see what you save by dealing with us.

CLEMENTS, NEWLING & CO., Ltd.

95-96 Wood St., Cheapside, LONDON, E.C. 2.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive prespiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH. STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

FOR LARGE BUYERS.

DENTAL CREAMS

ALSO

Vanishing Creams, Shampoo Powders, Pomade Hongroise, Brilliantines, Dry Shampoo (Liquid), Bay Rhums, Toilet Paraffins, Lime Creams, Shaving Sticks, Tooth Powders, and all Toilet Goods.

LOW PRICES for HIGH QUALITY.

C. A. STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,

11 ECLIPSOL WORKS, BRISTOL.

Perspiration Troubles

LET US SEND YOU BUSINESS

There is a growing demand for Dulc-o-do, the toilet water which *corrects* excessive perspiration and obviates the use of dress shields. A doctor writes: "*I find it a splendid preparation.*"
Send 20/- for a trial dozen 2/6 bottles and showcards, your name will then be placed on our depot file and all future inquiries from your district will be directed to you.

Dulc-o-do

Corrects Under-Arm Perspiration

Scott's Chemical Co.,
47, Huddlestone Rd.
London. N.W.2

WHY

Put Inferior Products into your Beautifully got-up Jars and Bottles? We can supply you with preparations of a quality to match your packing.

Our Products have been selling in France for the past 28 years—a fact which is in itself a recommendation of their quality.

Vanishing Creams, Face Creams, Face Powders, Nail Polish Paste, Brilliantines, Lait d'Iris, Lotions, Liquid White, Perfumes, Eau de Cologne, &c. &c., and all Toilet Requisites.

200 Different Formulæ.

Prepared by—

HILL BROTHERS (Manufacturing) LTD.

5 Fenchurch St., LONDON, E.C. 3. And at PARIS.

TOILET PREPARATIONS

TREVONA REGD

PURITY AND RELIABILITY

OF QUALITY

TRY TREVONA TRADE. ✻ FOUR RELIABLE LINES.

HIGH-CLASS PRODUCTIONS.

ORIGINAL FORMULÆ
PUREST INGREDIENTS
CHARMING PERFUMES
ARTISTIC PACKING
REASONABLE PROFITS
EFFICIENT SERVICE.

ATTRACTIVE —— DAINTY.

P.A.T.A. PRICES.

	Retail.	Wholesale. DOZ.
TREVONA Toilet Powder Delightful and antiseptic. Sprinkler-top tin.	1/9	14/-
TREVONA Dental Powder Pleasant antiseptic, cleansing deodorant, large tin in carton.	1/3	10/-
TREVONA Shampoo Powders The Ideal Hair Wash. 4½d. each. Box of seven	2/3	18/-
TREVONA Floral Bath Powder Highly concentrated. Fragrant and refreshing.	2/3	18/-

DISCOUNT:— 5% on 3 doz. assorted. 10% on 6 doz. assorted.
MONTHLY A/c:— 2½% Cash Seven Days.
CARRIAGE PAID.

READ THE TERMS. ✻ PROFIT 70 % ON COST.

TELEPHONE: HOP 5959.

C. R. OLVER & CO., 97, UPPER KENNINGTON LANE, VAUXHALL, LONDON, S.E.11.

TELEGRAMS: "OCREVLORC VAUX, LONDON"

Nothing Succeeds Like Success.

DELIGHTFUL TO USE—PROFITABLE TO SELL.

SAPON
Cereal SOAPS

Household and Toilet.

The demand for all Varieties is ENORMOUS.

BETTER SOAPS—BETTER PROFITS

SAPON SOAPS say more in their own favour than we can put into print.

SATISFACTORY ALL WAYS ALWAYS.

We are in no way connected with any combine of Soap Makers

WRITE FOR PRICE LIST.

SAPON SOAPS LTD. LONDON BRIDGE, E.C.4.

"Newbery's"

FRANCIS NEWBERY & SONS, LTD.

You will profit by stocking our Packed Goods, and your customers will obtain satisfaction.

Castor Oil	Brilliantines
Syrup of Figs	Hair Cream
Medicinal Paraffin	Dental Cream
Chemical Food	Smelling Salts

Bath Salts

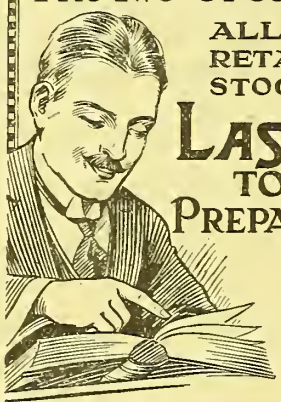
All these lines attractively packed.

CHARTERHOUSE SQUARE, LONDON, E.C. 1.

The Two Great Reasons Why

ALL KEEN RETAILERS STOCK —

LASÈGUE TOILET PREPARATIONS



(1) THE RETAILER'S PROFIT. (2) THE CUSTOMER'S DELIGHT.

DO YOU STOCK LASÈGUES

Duvet de Roses, Poudre de Riz,
Laits de Beauté, Rouges,
Poudres Compactes, Varnish,
Pastes and Powder for the Nails ?

Send for Price List, or, better still, your order for a £5 sample parcel to the

Sole Agents for the United Kingdom :

THE AUTABLE CO., Ltd.
57 Moorfields, LIVERPOOL.

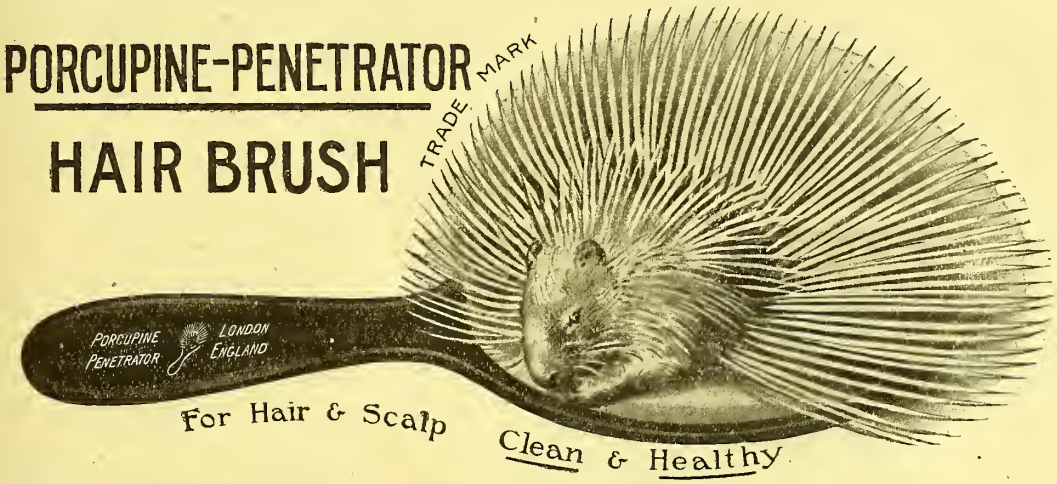
MINIMUM RETAIL PRICE **5/6** each. In a box.

Stocks will be in the hands of your Wholesale House on or about——— OCT. 20th.

MILITARY SIZE **5/6** Boxed in pairs.

PORCUPINE-PENETRATOR HAIR BRUSH

TRADE MARK



Ebonised Back in White Bone. Also in White Bone and Bristle Mixture.

MANUFACTURED IN LONDON (England)

under Hygienic and Patent Process by M. Neuhafer & Levi, Ltd., 11 Fore Street, E.C.2

✸BIDWELLS✸

RELIABLE TOOTH BRUSHES

	doz.
Gloria Silverdrawn (assorted patterns)	22/-
ditto Hard white or yellow	26/-
ditto Ex. hard ,, ,, ...	30/-
Mitre	18/-
Elephant	16/-
Anchor	14/-

GROSS LOTS NAMED FREE——— Carriage Paid.

We do not sell FOREIGN TOOTH BRUSHES.

A selected £12 parcel of Hair Brushes from 50/- to 150/- per doz., carr. paid.

Made at our Factories, **AXMINSTER, DEVON.**

The Name that Sells.

TRADE PYREA MARK

"Pyrea" Astringent Lotion ...	5/-
"Pyrea" Tooth Cream (Large) ...	1/6
"Pyrea" ,, Powder ...	1/6

APPLY FOR DISTRICT AGENCIES.

EXCEPTIONAL TERMS.

"PYREA" Co., 31 Gt. St. Andrew St.

Telephone: 4087 Gerrard. LONDON, W.C.2.

The Beldam Rough-Smooth Sponge.

The Beldam Cup Sponge.

Godbolds

BELDAM
Pure Rubber
SPONGES

BELDAM Rubber Sponges are better and last much longer than ordinary rubber sponges. They are made from the best red rubber. They are of a fine, soft texture, delightful to use.

They provide the perfect sponge for use in the toilet, the bath, the lavatory, the sick room or the surgery. Medical men recommend them. They are unaffected by boiling water or by strong disinfectant.

Address:
Rubber Sponge Dept., The Beldam Tyre Co. (1920) Ltd.
Brentford, Middlesex.

SECCOTINE
IS (Regd. Trade Mark)
THE BEST ADHESIVE
to offer to your customers.

It is extremely strong; it sticks china, glass—even iron.

It is well known; the name "Seccotine" is a household word.

It is on the P.A.T.A. List; a good profit is assured to you.

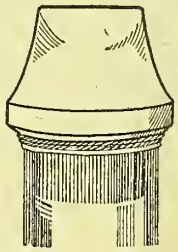
It is of British Manufacture.

If you do not stock it, write for particulars to the Proprietors,

McCAW, STEVENSON & ORR
LIMITED
BELFAST and LONDON

Immediate Delivery

GATES' BOTTLE CAPPING SKINS



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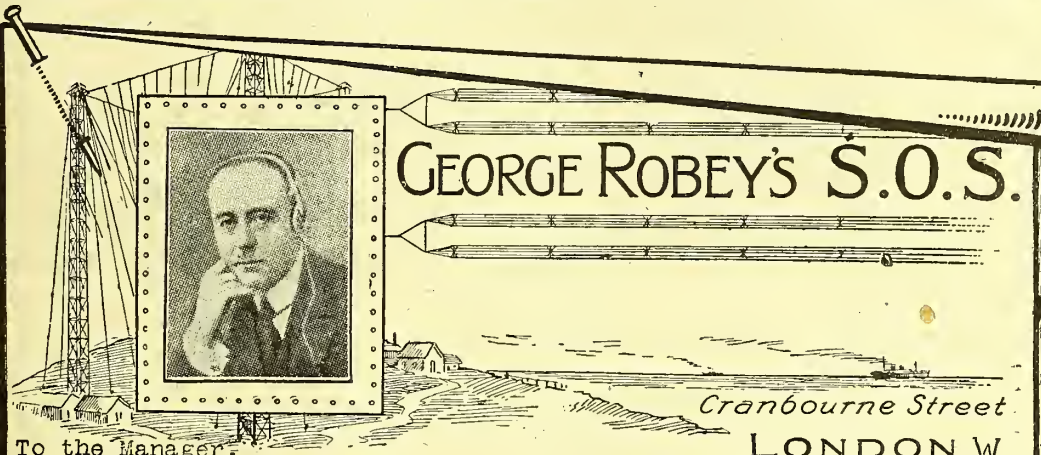

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Saltrates Ltd.,
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March 8th. 1920.

Dear Sir:- That was a good turn you did me in donating the supplies of Alkia Saltrates and Reudel Bath Saltrates that I ordered for the hospital. The favour is appreciated by me as much as the Saltrates are appreciated by all who use them, myself of course included. No one can accord anything higher praise than that.

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I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to acknowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

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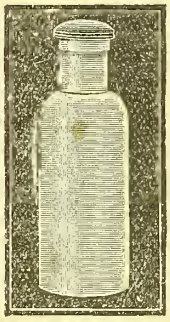
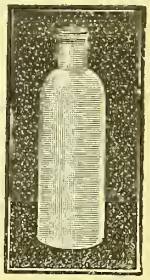


Kali



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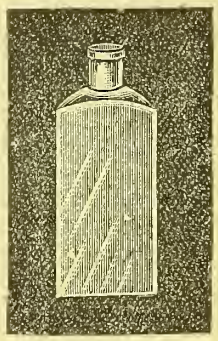

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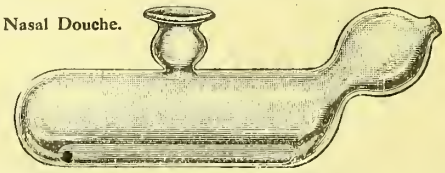

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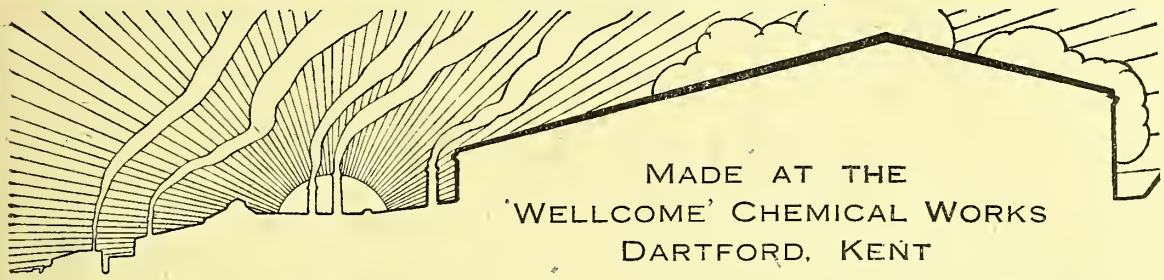

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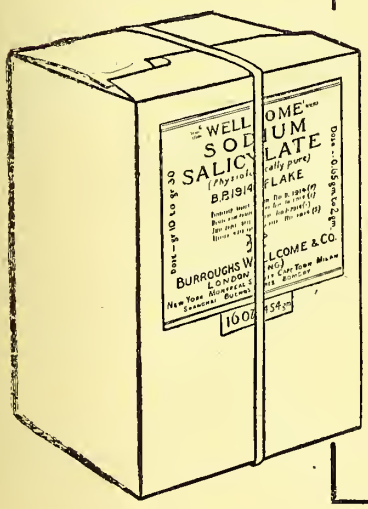

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Coming Events.

Tuesday, October 26.

Public Pharmacists' Association, St. Bride Institute, Ludgate Circus, London, E.C., at 8 P.M. Short papers on "Pharmacy in the Future," by Mr. R. Welford; "Should Public Pharmacists Manufacture?" by Mr. H. Rodwell, Ph.C.; "Seven Years' Experience as a Locum," by Mr. J. H. Heworth.

Wednesday, October 27.

North-Western Federation of Pharmaceutical Associations, Midland Hotel, Manchester. Annual meeting at 2.30 P.M. Special meeting, at 3.30 P.M., of pharmacists in business. Mr. A. R. Melhuish, member of the Pharmaceutical Council, on "Current Topics." Tea provided (2s. each).

Thursday, October 28.

The Chemical Society, Burlington House, Piccadilly, London, W. 1. Lecture Hall of the Institution of Mechanical Engineers, at 8 P.M. "Emil Fischer Memorial Lecture," by Dr. M. O. Forster, F.R.S.

Metropolitan Federation (London County Pharmaceutical Association), 17 Bloomsbury Square, London, W.C. 1, at 3 P.M. A meeting of delegates. Mr. E. T. Neathercoat will occupy the chair as President of the Federation.

Friday, October 29.

Pharmacy Unit of the Incorporated Association of Hospital Officers, the Association of Women Pharmacists, and the Public Pharmacists' Association, 28 Bedford Square, London, W.C., at 7 P.M. Papers by Miss C. A. Andrews, Ph.C., and Mr. E. A. Andrews, Ph.C., F.C.S., on "Lord Dawson's Report and Pharmacy," to be followed by a discussion.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Apothecaries' Assistants' "M.P.S."

Our report of the election of members to the Pharmaceutical Society at the last Council meeting (*C. & D.*, October 9, p. 83) contains a numerical error, which we take the earliest opportunity of correcting. It should have been recorded that, of the 221 members elected, six were persons who had been admitted to the Register of Chemists and Druggists in accordance with the by-law relating to apothecaries' assistants and in conformity with the regulations of the Council. Five councillors were absent when the ballot was taken.

Poisons and Pharmacy Act Regulations.

The "London Gazette," October 19, contains an amendment of the Regulations made in 1909 under Section 2 of the Poisons and Pharmacy Act, 1908, relating to agricultural poisons. The alteration in regard to Regulation 14 is shown in the following parallel columns:

As in Force from April 2, 1909.	*In force from October 13, 1920.*
Solid preparations shall be securely packed in such a manner as to avoid, so far as possible, the risk of breaking or leakage from transport, and the package shall contain a notice that it must be destroyed when empty.	A poisonous substance shall not be sold except in an enclosed vessel or receptacle as received from the manufacturer, which vessel or receptacle must be of sufficient strength to withstand rough usage, securely closed and free from leakage, and distinctly labelled with the name of the substance and the word "Poison," and with the name and address of the seller, as provided by Section 17 of the Pharmacy Act, 1868, and also with a notice of the special purpose for which it has been prepared. For the purposes of this Regulation the person on whose behalf any sale is made shall be deemed to be the seller.

Optical Trade Board.

The "London Gazette" of October 15 contains a notice of the intention of the Ministry of Labour to make a Trade Boards (Ophthalmic Optical) Order regulating wages in the optical industry. The ophthalmic optical trade is defined as follows:

1. The operations of making, repairing, or altering spectacles, eye-glasses, or lorgnettes, or any of the component parts of spectacles, eye-glasses, or lorgnettes, when carried on in or in connection with any establishment, or business, or branch, or department, or workroom, in which the workers are mainly engaged in such making, repair, or alteration: *Including* the operations known in the trade as grinding, polishing, cleaning, moulding, pitching, mounting, smoothing, truing, surfacing, ranging, cutting, clipping, edging, preparing, drilling, examining, fitting, testing, roughing, emerywashing, bevelling, grooving, checking, wire-bending, assembling, adjusting, soldering, glazing, welding, stamping, riveting, cementing, splicing, softening, filing, finishing, or similar operations; *but excluding* the operations of making, repairing, or altering frames or handles of material other than metal, except when carried on in association with or in conjunction with the operations specified above.

2. The warehousing of, the packing of, and similar operations in regard to any articles when carried on in or in association with or in conjunction with any establishment or business, or branch, or department, or workroom, in which the workers are mainly engaged in any of the operations included in paragraph 1.

Export Credits Scheme.

The Federation of British Industries has forwarded to the President of the Board of Trade a letter dealing with the Government's Export Credit Scheme, in which the

following suggestions are made : "The fundamental principle of the Treasury advancing 80 per cent. (for a period up to three years) of the cost price of the goods to be supplied leaves 20 per cent. to be advanced by bankers of the manufacturing firm wishing to export. It seems superfluous to point out that bankers are exceedingly reluctant to advance this 20 per cent.—even to old and favoured clients—when there are numbers of outlets for their funds in much shorter-dated securities at profitable rates. We venture, therefore, to suggest that the Export Credit Scheme, to be of any practical use, should provide for advances to approved firms of 100 per cent. It is the policy, under the scheme, to oblige the exporter to finance 20 per cent. of the net cost price of the goods. Granted that the bankers (or, if our suggestions are accepted, in future, the Treasury) will provide the 20 per cent., the exporter is still forbidden to cover this risk by means of insurance. Why should the exporter not only run the risk of making no profit, but the further risk of losing 20 per cent. of the net value he puts into the work? It may be argued that this obligation ensures the exporters only taking on sound business, inasmuch as business which is good enough for the Treasury to finance to the extent of 80 per cent. should be good enough for the profiting firm to finance to the extent of 20 per cent. But, practically, the exporter is not necessarily a financial expert, and provided that he can find such experts who, by insurance, will assume for him this 20 per cent. risk, surely it reduces the Government liability by the intended amount, and still leaves the exporter with the more rational and legitimate risk of making no profit at all on his work. For these reasons the Federation would strongly urge the Board of Trade to agree to the exporter being allowed, if he desires, to cover himself by insurance. . . . Finally, the Federation would point out that the amount earmarked for this scheme was some twenty-six million pounds, and the amount drawn under it is a matter of some hundreds of thousands, which points conclusively to some inherent weakness in the scheme, which, in the opinion of the Federation, would be remedied by the adoption of their suggestions."

Public Institution News.

The following tenders have been accepted by the bodies named :

Pembroke Guardians.—Mr. D. Davies, chemist and druggist, drugs and chemicals.

Stafford Guardians.—J. & H. A. Averill, chemists, drugs, etc.

Mr. J. W. Spence, Ph.C., has been appointed to succeed Mr. F. H. Gillett, Ph.C., as chief dispenser at the Brompton Hospital, London, S.W. Mr. Spence was previously at St. Mary's Hospital, W.

The travelling allowance to Mr. F. W. Moore, chemist and druggist, dispenser attending the north and south dispensaries of the St. Pancras Guardians, has been increased from 5*l.* to 7*l.* 10*s.* per annum.

Southwark Guardians have transferred the relief station and dispensary at 81 Borough Road, London, S.E., to 50 Ufford Street, Blackfriars Road. Mr. J. F. Dunstan, chemist and druggist, is in charge of the dispensary.

How to Use the Air Mails.

In their weekly bulletin the Handley Page Transport Ltd., give particulars of the air mails. Any post office will accept letters, postcards, printed papers, commercial papers and samples, whether registered or unregistered, for transmission by air. Unregistered packets may also be posted in any public letter-box. Parcels and insured papers for transmission from the Cricklewood aerodrome at special rates must be delivered to the agents of Handley Page Transport, Ltd. The Post Office charges the ordinary foreign postage, in addition to an air fee of 2*d.* per oz. for Paris or Brussels, and 3*d.* per oz. for Amsterdam. A special blue label is supplied free at any post office for each packet, or may be had on application to the Secretary, G.P.O. If a label is not available the cover should be clearly marked "By Air Mail" in the top left-hand corner. Express delivery to destination requires an express fee of 6*d.* per packet, and the word "Express" must appear below the words "By Air Mail." Correspondence posted in London in the morning is delivered in Paris in the afternoon, or late evening if sent by the afternoon service, prepaid for express delivery. Brussels delivery takes place in the afternoon. Express packets to The Hague, Amsterdam, and Rotterdam are delivered same day as posted; ordinary correspondence to Holland and Belgium by first post next morning. By connecting up the ordinary mail services the air mails save twenty-four hours in the delivery of correspondence to Switzerland, Italy, Spain, Portugal (via Paris), and Germany, Austria, Hungary, Sweden, Denmark, etc. (via Brussels). Correspondence which misses the Thursday evening's mails for India, Egypt, Aden, Ceylon, Straits Settlements, and Hong Kong will secure the connection if posted by mails from London to Paris on Friday morning. The same applies in certain weeks to mails for Australia.

Unlawful Possession of Cocaine.

At Marlborough Street Police Court, London, on October 19, G. W. Hertridge, stevedore, A. Beach, dock labourer, R. Huntman, tailor, and H. Huntman, waiter, were charged with being in the unlawful possession of cocaine. Mr. A. T. Parsons, Government analyst, said he had examined glass tubes and other articles found on Beach and Hertridge, and in five of the tubes he found cocaine and in the others morphine. A remand was ordered. —At the same Court, on October 15, Max G. Rosenz, charged on remand with offering to sell cocaine (*C. & D.*, October 16, p. 46) was sentenced to three months' imprisonment. Eleven packets found by the police in his room were certified by Mr. A. T. Parsons, Government analyst, to have contained no cocaine, but only quinine, phenacetin, and boric acid.

At Westminster Police Court, on October 15, the hearing of the charge of unlawful possession of cocaine against Frank Murray (*C. & D.*, October 16, p. 46) was continued. Further "instructions" found in Murray's suit-case were read, including the following : ". . . organise sales in small packets weighing about a gram—equal to about 15 English grains. That means that about three grains pure can be added to twelve impure. In any case make your packets equal to the ones bought for—the bulk (adulterant) acting as a filler." Reference was made to using boric acid as an adulterant, to the method to be employed in admixture in a mortar, and passing through hair-sieves, to the weighing on apothecaries' scales, and to testing when thoroughly mixed by "dipping in your moistened forefinger very lightly on the powder and rubbing it very gently on the outside of the gums, as the sensation of numbness more or less pronounced would determine the strength. The best test of all is, of course, to try the pure first, so that ever afterwards you will be able to judge of the relative strength of the mixed products."

Birmingham.

The sudden snap of wintry weather has created a demand for "flu" mixtures, cough-lozenges, and kindred articles.

The official salary of the Lord Mayor of Birmingham (Alderman W. A. Cadbury) is to be increased to 2,000*l.* per annum.

Smethwick pharmacists, in view of the high rates and increased rents, are far from satisfied with the present percentage of profits.

Mr. and Mrs. Barrow Cadbury are offering a house and sixty-five acres of land to the city council, for use as a residential open-air school for children.

A case of leaving a locked iron collar on an apprentice's neck for a month was recorded locally, it appears, in 1795. The lock(e), comments a cynical pharmacist, is now on the understanding.

A Birmingham pharmacist, on a recent visit to Blackpool, bought some "boric acid" (correctly labelled) at a local pharmacy. On investigation, however, the contents of the packet proved to be bicarbonate of soda.

Several local pharmacists who did duty as special constables during the war were the recipients of medal ribbon distributed by the Lord Mayor on October 13.

The Birmingham Photographic Society has recently set up a roll of honour at its headquarters in Edmond Street. The ceremony of unveiling was followed by the formal opening of the winter session.

The Director of Appointments for Birmingham and the district, Lieutenant-Colonel Ward, D.S.O., who is well known among students of pharmacy, has recently returned to civilian life. Colonel Ward has taken a considerable interest in the welfare of ex-Service students; he has attended many pharmacists' functions, and assisted in the formation of the school of pharmacy at the Suffolk Street Technical School.

The national rat week, which is fixed for the first week in November, has already received the attention of the local medical officer of health, who has announced in the Press some of the various methods of extermination, including fumigators and poison. These two, it is stated, may be obtained from chemists or from the public health department. It is commented that chemists must think themselves lucky to receive even a mention!

An examination was held in the Technical School on October 14 in connection with the prizes offered by the Pharmaceutical Society for ex-Service men waiting to enter schools of pharmacy. The conductor was Mr. F. Smith, Ph.C., who had as supervisors Mr F. H. Alcock, F.I.C. (chemistry and physics), Mr. W. Shakespear, Ph.C. (botany), and Mr. Bell, Coventry Road (pharmacy). There were present about fifty candidates.

Liverpool.

The children's New Year party of the Liverpool Chemists' Association will be held at the Royal Institution.

On October 27 a number of Liverpool pharmacists will go to Manchester to hear Mr. A. R. Melhuish speak on "Current Topics."

Mr. Sydney F. Alder, chemist and druggist, Granby Street, has sustained severe cuts about the face through a motor-car accident.

Speaking at the Liverpool Royal Institution, the other day, Sir James Barr ascribed the remarkable intuition of women to the special development of the thyroid gland.

Mr. William P. Evans, J.P., has fixed November 11 as the approximate date of his dinner to the Reception Committee of the Liverpool British Pharmaceutical Conference.

A few frosty nights have been followed by a sudden demand for seasonable remedies and palliatives. Local unemployment, largely due to the protracted strike of shipwrights, is reflected in the call for the medicines which follow food shortage.

Amateur photography has received a great impetus of late. The Yorkshire Society has accepted an invitation to the Liverpool Amateur Photographic Society's lecture on November 2. The Everton Photographic Society contains twenty-nine fixtures, nearly all lantern lectures.

Mr. J. W. Deakin's address to the Liverpool School of Pharmacy last week (*C. & D.*, October 16, p. 52) was admired for its manner as well as its matter. His "jeremiads" was converted into "Jeremiahs" by the staff of the post office somewhere *en route*: these little things will happen!

Mr. George Whitfield, Ph.C., Scarborough, writes to a local pharmacist from the Hôtel Pennsylvania, New York, under date October 5: "We were ten days out by the *Canada*, having been fog- and ice-bound. . . . The whole trip is like a pleasant dream. We can teach the Americans a few things in pharmacy, and learn from them; but all discussion is on the dollar."

Sheffield.

Dr. Mainprize, the son of Mr. J. V. Mainprize, chemist and druggist, Bridlington, who has been on a visit to the city this week, was heartily welcomed by his old pharmaceutical colleagues.

Mr. C. H. Hallatt, chemist and druggist, Attercliffe and Langsett Road, has been appointed a director of the West Melton Brick Co., Ltd., a company formed to forward the housing scheme in the Don valley.

The whist-drive and concert of the Sheffield Pharmaceutical and Chemical Society (*C. & D.*, October 9, p. 67) is to be held at the Angel Hotel on November 18. Members are reminded that the number of tickets is limited.

A worse case of underpaid labour than the one referred to in last week's issue (p. 75) has been discovered locally. A qualified manager of a branch pharmacy is still receiving, we are assured, a pre-war salary of 50*s*. a week.

Miscellaneous.

End of Summer Time.—The Home Secretary announces that summer time will cease at 3 A.M. (summer time) on Monday, October 25, and the succeeding hour will be 2-3 A.M. Greenwich time.

Fires.—Outbreaks of fire, attributed in each case to a light being thrown down, occurred on October 18 and 20 respectively at the premises of the London Prism Co., Ltd., Adelaide Road, London, N.W. 3, and Orthopedists, Ltd., King's Cross Road, W.C. 1. The damage was slight.

Cost of Living.—The current issue of the official "Labour Gazette" states that the average level of retail prices (including rent) on October 1, as indicated by the statistics prepared by the Ministry of Labour, was about 164 per cent. above the level of July 1914. (On September 1 it was 167 per cent.)

Early-closing Order.—Hull City Council approved, on October 14, a draft closing order under the Shops Act, 1912. The hours of closing for chemists and druggists were fixed at 7.30 P.M. on Monday, Tuesday, Wednesday, and Friday; 1 P.M. on Thursday; and 8.30 P.M. on Saturday. The occupier of a shop may elect to make Saturday the weekly half-holiday day instead of Thursday.

Works Explosions.—An explosion, which occurred in the benzene plant at the works of Joseph Crosfield & Sons, Ltd., soapmakers, Warrington, on October 16, resulted in four men being injured, one of whom subsequently died.—An explosion occurred at the premises of The Mond Nickel Co., Ltd., Great Suffolk Street, London, S.E., on October 12. One workman was removed to hospital. The cause of the explosion is unknown.

Original Window-display.—Under the supervision of Mr. J. H. Taylor, F.C.S., chairman of Taylor Gibsons, Ltd., wholesale and retail chemists, Stowell Street, Newcastle-on-Tyne, a clever reproduction of an old-time chemist's window has been carried out at the company's headquarters. Two hexagonal vases of blue Mason's ware flank a quaint oil-painting depicting a group of boys playing in the red and green lights which shine from a chemist's shop, with a top-hatted "peeler" in the background. (This picture was reproduced in The Chemist and Druggist some years since, having been lent by Mr. Taylor for that purpose.) On a shelf above stand an old Leeds leech-jar and ten rare blue-and-white Delft drug-jars.

In the Courts.—At Bridgend Police Court, on October 14, Rees Thomas, a commercial traveller, was charged with embezzling sums of money amounting to 23*l*., the property of his employers, Osmond & Son, Ltd., manufacturing chemists, Grimsby. It was stated that Messrs. Osmond did not wish to press the charge. A fine of 10*l*. was imposed.—At Ramsgate Police Court, on October 15, John Aston Swindale, M.D., was charged, at the instance of the Kent Insurance Committee, with obtaining by false pretences from them sums of money amounting to 34*l*. 6*s*. 3*d*. Mr. C. Jones, who appeared for the prosecution, said that Dr. Swindale had sent to the Insurance Committee month after month accounts in respect of various panel patients. He alleged that these patients had visited his surgery, that he had attended them at their houses, and that he had given them treatment, but as a matter of fact he had done nothing of the kind. Other charges might be preferred. The hearing was adjourned.

Irish News.

Brevities.

Attention is directed to an advertisement in the Coloured Supplement by the Pharmaceutical Society of Ireland for examiners for the Registered Druggist and Pharmaceutical Assistant examinations, Messrs. Brown and Sumner having retired on completing the full statutory term of five years.

The druggists of Newtownards, at the expressed desire of their assistants, will close for a dinner-hour, and also an hour earlier in the evenings.

At a recent meeting of the Sligo Board of Guardians Mr. P. N. White, dispenser, reported that surgical dressings ordered from the contractor, a Dublin firm, two months ago had not arrived yet. The Clerk stated that the contractor had been written to on a previous occasion. It was agreed that the dressings be procured locally at the contractor's expense.

Mr. John Simpson, R.D., who was with O'Neill & Co., chemists, Maghera, for many years, has resigned and commenced business on his own account at Dungiven, co. Derry. As the occasion of his leaving Maghera also coincided with his marriage, a number of his friends have presented him with a token of their appreciation. The presentation, which took the form of a purse of Treasury notes, was made by Mr. John Gallinagh in the Assembly Hall, and Mr. Charles O'Hara, C.C., presided.

At an inquest held at Omagh concerning the death of Rebecca Roulston, aged seventy-five, Dr. Duncan said a *post-mortem* showed the deceased died from the effects of strychnine poisoning. He analysed a sample of butter which deceased informed him she had been using, and in which he found strychnine. Dr. W. B. Cathcart corroborated, and added that he had a consulting-room in the house of the deceased some time ago, but never made up any medicine there. The jury returned a verdict of "Death from strychnine poisoning, the strychnine being accidentally taken in butter."

Belfast.

In the final of the Royal Portrush Golf Club monthly bogey competition for the Carter Cup, Mr. Ion Clarke, Ph.C., Portrush, was the winner.

Mr. J. Dale, Ph.C., Dromore, co. Down, has taken over the business carried on at 124 Newtownards Road, Belfast, by Mr. W. R. Browne, Ph.C., who is going to California.

The committee of the Waterford Lunatic Asylum had before them, at a recent meeting, letters from Belfast manufacturing chemists regarding the medical contracts. Fred Storey, Ltd., Belfast, wrote noting that the acceptance of their tender for the supply of medicines was conditional on their name appearing on a "White List" (a reference which is explained by the fact that a boycott of Belfast concerns has been ordered by the South and West of Ireland except in the cases of firms appearing on the White List). Messrs. Storey added that they could find no White List in Belfast. The Mayor of Waterford said it was originally intended that a White List of Belfast firms should be brought out, but it was deferred. Now it appears it was arranged that there was to be no trade with Belfast at all. It was agreed to communicate with the headquarters of the Belfast Expelled Workers' Relief Committee. If a favourable reply was forthcoming, the committee agreed to reconsider the matter.—A statement regarding the boycott of Belfast and adjoining towns was issued on October 18 by the Belfast Wholesale Distributing Trades Committee, which includes representatives of the drug-trade. The statement pointed out that 90 per cent. of the trade of Belfast is carried on in markets outside Ireland, and, therefore, the injury done to the Belfast area is negligible compared with the inconvenience and loss to those traders of the South and West who are prevented from purchasing at will in the most advantageous market.

Scottish News.

Brevities.

The strike overshadows all else in business. Trade has dropped appreciably this week.

Mr. John Hutton, chemist and druggist, Brechin, has been co-opted as a member of the town council.

In a message to the trade the Scottish Pharmaceutical Federation states that "the assistants are now organised, and their claims must be considered."

A Fort William business is reported as likely to change hands shortly. The prospective purchaser is stated to have done *locum* work there recently.

The experience of Scottish retailers bears out your recent trade report observation that wholesalers appear to be reducing their stocks to a minimum. The "out of stocks" on invoices were never so numerous as at present.

The Rev. Alexander J. Marshall, Monimail, who conducted the service and preached at the first diet of the Synod of Fife, held in Cupar recently, qualified as a chemist and druggist in 1886 and was afterwards in business at Linlithgow. He is a nephew of the late Dr. David Waldie.

Mr. J. Caldwell and Mr. D. G. Mackenzie met Mr. J. Anderson and Mr. T. MacMaster in the "Hatrick Trophy" golf competition of the Glasgow Pharmacy Athletic Club on October 12. The match, played at Bishopbriggs, ended "all square," and will have to be replayed.

The Dundee branch of the Scottish Pharmaceutical Federation considered, on October 11, an application for an earlier closing hour, submitted by the National Drug and Chemical Union. It was decided to recommend closing at 7.30 P.M. each night (Saturdays 8 P.M.), commencing on October 25.

Mr. Alexander Murray, secretary of the Scottish Pharmaceutical Federation, informs us that the statement made in the *C. & D.*, October 16, p. 48, that the Lanarkshire dispute has been settled, was not correct. We hope that the report, made on the authority of a local newspaper, was only anticipating by a few days a settlement satisfactory to the parties concerned.

Edinburgh.

Complaints are heard regarding rice-contaminated sugar being supplied to chemists.

The pharmacy and fittings of the late Mr. J. M. Morrison, chemist and druggist, Elm Row, are to be sold.

"Several of the newly qualified wish that the rush for qualification showed signs of slowing down," writes a correspondent.

The recently issued price-list of Duncan, Flockhart & Co. contains some interesting notes on medicinal plants grown on the company's farm near Edinburgh.

Pharmacists and others who have people who are "It" as their clients are not always too happy. An Edinburgh firm recently received a complaint from a customer concerning a package addressed to him or her. The letters "O.B.E.," or something like that, had been unintentionally omitted.

The current session of Veterinary School marks the end of a century of veterinary teaching in Scotland. The University, in 1816, refused to embrace veterinary studies, but the Highland Society took the matter up, and in 1823 William Dick was appointed lecturer to a class which met twice weekly.

The Edinburgh Chemists' Golf Club held a competition on Bruntsfield Golf Course on October 13. The competition resulted: (1) Mr. Butchart; (2) Mr. Philp; (3) Messrs. Kearney and J. Manson (tie). After the match the captain, Mr. R. Douglas, formally handed over to the club a new trophy, a silver rose-bowl, presented by Pinkerton, Gibson & Co., for annual competition. This trophy carries with it a prize presented by the same firm.

Legal Reports.

Shops Act Case.—At York, on October 14, Mr. George Frederick Coates, chemist, Blossom Street, was summoned for opening his shop after 1 o'clock on a Wednesday afternoon, contrary to the Shops Act, 1912, and the York (Chemists and Druggists) Order. A police officer said that on September 15, in consequence of a complaint received at the police office, he kept observation on defendant's shop from 6.30 P.M. to 6.40 P.M., and during that time five persons entered the shop. It was quite apparent that defendant was carrying on business. Mr. Coates explained that he closed the shop at 1 o'clock and reopened it for an hour in the evening through an agreement with the Insurance Committee and private doctors. He had just come from Sheffield to York, and the rule at Sheffield was different. He read a letter with the rules of the agreement between himself and the National Health Insurance Act. The Lord Mayor said it was very awkward for chemists, and he had no desire to register a conviction against the defendant. The case would be dismissed.

Sale of Chemist's Business.—In the King's Bench Division, Dublin, before Mr. Justice Dodd, on October 15, the action was mentioned in which Mr. William James Henning, R.D., Main Street, Larne, co. Antrim, is plaintiff, and Mr. William Harcourt McMullen, Ph.C., 73 Newry Street, Banbridge, co. Down, is defendant. Mr. Megaw, B.L., for the plaintiff, applied for an order for discovery of documents. He moved on the affidavit of Mr. O'Brien, solicitor, who stated that the action was for damages for fraudulent misrepresentation made by the defendant to the plaintiff in respect of the sale by the defendant to the plaintiff of the stock-in-trade and goodwill of the defendant's business and business premises in Larne. He referred to the pleadings. The statement of claim set out that in January 1920 the defendant, with a view to induce the plaintiff to purchase the premises, fixtures, goods, stock-in-trade, and goodwill from him at the price of 1,200*l.*, made certain representations to him which the plaintiff alleged were untrue. The defence was a traverse of the allegations on which the action was founded. The affidavit proceeded to state that the defendant had in his possession or power books, entries, and memoranda showing the weekly and yearly sales and turnover of his business, invoices, and other documents which related to the matters at issue in the action, inspection of which, the plaintiff had been advised, was necessary for the proper trial of the action. Mr. Justice Dodd made an order for discovery.

Claim to City Premises.—Mr. Justice Roche heard in the King's Bench Division, on October 20, a claim by Barclay & Sons, Ltd., for the possession of premises, at 23 Cloth Fair, London, E.C. The defendant, Mr. Goldstein, a manufacturer of shapes for ladies' hats, pleaded the protection of the Rent Restriction Act, 1920. Mr. Marriott, for plaintiffs, said they were manufacturing chemists and had premises in Farringdon Street. In December 1919 they received notice to terminate the tenancy of the smaller portion of their premises in Farringdon Street, and in March 1920 they were granted a tenancy of the whole of the premises 23 Cloth Fair by the Corporation. The defendant was tenant of the first and second floors. Defendant was given notice to quit on June 24, but he still refused to go out. Counsel contended that defendant was not entitled to benefit from the Rent Restriction Act because his tenancy terminated before the Act under which he claimed protection was passed. His lawful possession terminated on June 24, and thereafter he was a trespasser. The Act which he prayed in aid was not expressly made retrospective, but it was an Act that would give more trouble to the Bench and Bar than any Act ever passed. Plaintiffs required the premises with the utmost urgency for the purpose of their manufactures. They paid for the premises as rent, rates, and insurance 250*l.*, and all defendant paid them for the best part of the premises was 70*l.* a year. After further argument the case was adjourned, with a view to an arrangement being come to.

Scientific Research Grant.—In the Chancery Division, on October 15, before Mr. Justice Eve, a motion was made on behalf of Mr. William Wynn Evans, a shareholder in Brunner, Mond & Co., Ltd., to restrain the company from making a grant of 100,000*l.* to universities and other institutions for scientific education and research. Mr. Clayton, K.C., moved for an interim injunction until the hearing of the action upon the matter now pending. The resolution authorising the expenditure, he said, was passed at an extraordinary meeting of the company on August 5. Of the eighty-nine shareholders present, seventy-five voted for the resolution, and the plaintiff was among the fourteen who voted against it. He held that the resolution was *ultra vires* of the memorandum of the company and outside its main objects. The company was a chemical manufacturing company, and was not engaged in general science. Counsel admitted that one of the clauses of the memorandum of the company was "to do all such business and things as may be conducive to the attainment of the objects of the company," but he argued that that did not cover such an expenditure as that now proposed. The directors in their affidavit said that the company's business required the scientific aid and trained assistance which could only be obtained from official schools and universities, and that the welfare of the company required that such institutions should receive adequate financial support. But how far would this sort of thing go? Mr. Maugham, K.C., for the company, intimated that there was no intention to disburse the money until the hearing of the action, and he was willing to give an undertaking to that effect. This was accepted by Mr. Clayton, and the Judge agreed to hear the action at an early date.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Alexander Fraser, Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of makers of and dealers in scientific apparatus and appliances and chemicals, etc. The first directors are: A. H. Baird, W. J. S. Baird, and N. J. Morrison. R.O.: 11 Teviot Place, Edinburgh.

Lever Bros., Ltd.—The recent issue of 4,000,000 8 per cent. cumulative preference shares of 1*l.* each, advertised in last week's *C. & D.*, has been fully subscribed.

Mr. John Gray has resigned the vice-chairmanship of Lever Brothers, Ltd., and has been appointed chairman of William Gossage & Sons, Ltd., and John Knight, Ltd.

Bankruptcy Report.

Re Thomas Curtis Read, Crown Works, Guildford Street, York Road, Westminster, research chemist.—This debtor failed in July last, with total liabilities 2,334*l.* 1*s.* (unsecured 2,182*l.* 1*s.*) and assets valued at 750*l.* He attended last week at the London Bankruptcy Court for public examination, and stated that two previous failures were recorded against him in 1897 and 1907 respectively. From neither of those proceedings had he obtained a release. For many years past he had been engaged in research work, as a result of which he discovered a cure for neuritis, etc., and produced a preparation called "Curtisine." In October 1917 he entered into an agreement with the petitioning creditor under which the latter was to act as manager for the sale of the preparation under the name of the "Arabian Remedies Co.," which style witness adopted for the purpose. Differences arose between them, and in November 1919 the manager brought actions against him for breach of contract and slander, which actions he unsuccessfully defended. The examination was concluded.

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The Profiteering Act.

Complaints.

Grayshott.—At the sitting of the Profiteering Committee on October 14, Mr. R. C. C. Harrison was the respondent in a complaint concerning a sale of Brompton cough-lozenges at 6*d*. per oz. The lozenges, it was alleged, had been purchased at lower rates elsewhere. Mr. Anderson (Neve, Beck & Kirby), who appeared for the respondent, instructed by the Chemists' Defence Association, Ltd., pointed out that there were several qualities of Brompton cough-lozenges, and that the profit obtained in this instance did not exceed the pre-war profit. The complaint was dismissed.

City of London.—At the sitting of the Profiteering Committee on October 20, a case was heard in which a Mr. Gray lodged a complaint against Boots, Ltd., for having, as he alleged, overcharged him at Liverpool Street Arcade, E.C., in respect of the following prescription :

Pot. brom.	ʒij.
Phenazon.	ʒj.
Phenacetin.	ʒj.
Quin. sulph.	gr. xij.
Acid. citric.	gr. xij.
Mucil. tragac.	ʒj.
Tinct. gelsem.	ʒiij.
Tinct. aurantii	ʒvj.
Aq. chlorof. ad	℥vj.

M. Sig.: ʒss. two or three times a day.

The complainant was charged 4*s*. 6*d*. Mr. Gray stated in evidence that he had previously had the same prescription made up by E. R. Marsh, Ltd., chemists, West End Lane, and was charged only 2*s*. 9*d*. The clerk to the Committee said that the facts were laid before Messrs. Boots, who replied that they themselves had had the same prescription made up, and could only come to the conclusion that Messrs. Marsh had committed an error in charging such a price as was alleged. They had sent the prescription to Allen & Hanburys, Ltd., and were charged 4*s*. 6*d*. They had also looked up the prices of the ingredients as set forth in the London Chemists' Price List, and they found that the price worked out at something like 6*s*. The representative of E. R. Marsh, Ltd., then gave evidence. Unfortunately, he said, the assistant had made a mistake in estimating the cost of the ingredients. Instead of being 2*s*. 9*d*., the charge should have been at least 4*s*., and that price would have erred on the wrong side. Asked as to the tincture of orange, witness said that this was the most expensive ingredient, and he regarded this drug as a pitfall in the dispensing of many prescriptions because of the cost. The tincture of orange used in this prescription represented 2*s*. 2*d*. of the value. He believed that when his assistant made up the prescription it was correctly dispensed, but it had been charged as though syrup of orange were used. Answering Mr. Bramall, solicitor (representing Messrs. Boots), witness said that the prescription was one which nobody could dispense under about a quarter of an hour, and an unskilled dispenser would probably "make a mess of it." Mr. Bramall said that his clients had had the prescription made up by John Bell & Croyden, Ltd., Wigmore Street, and they had been charged 5*s*. 9*d*. With regard to the Liverpool Street Arcade shop of Messrs. Boots, he pointed out that this shop was in an area where rent, taxes, and other overhead charges were very high. The a year. He added that 23 per cent. profit is made on the cost price, "and then we have to pay overhead charges." The chairman then asked a representative of Messrs. Boots, who attended from the Liverpool Street shop, whether he would consider that the Civil Service Stores were reliable chemists, and the witness replied in the affirmative. The Chairman then asked the witness whether he could explain how it was that the Civil Service Stores could make up this prescription for 2*s*. 11*d*. Witness replied in the negative, saying that he believed some of the bigger establishments sold articles at cheap prices more by way of an advertisement. The Chairman said that, when the complaint was lodged, they decided to test the matter for themselves, and the Committee accordingly instructed their clerk to go to a chemist and have this same prescription made up. He went to the Civil Service Stores and the prescription was made up for 2*s*. 11*d*. Mr. Bramall suggested that probably the Civil Service Stores had made exactly the same mistake as Messrs. Marsh had made. He must ask the Tribunal to disregard this evidence entirely unless they had before them evidence as to how the charge was arrived at. They could not say that this was a case of profiteering unless such evidence was brought forward. Moreover, he did not think the Tribunal was entitled in these circumstances to look at what some other chemist was charging. After deliberation, the chairman said the Tribunal had given the matter very great attention, because it certainly did appear to them curious that Messrs. Boots, who represented themselves as cheap cash chemists, should be charging 4*s*. 6*d*. for an article which another big organisation like the Civil Service Stores was content to retail at 2*s*. 11*d*. The Tribunal found it very difficult to decide between the two. In the face of the evidence, however, the Tribunal did not feel that they were entitled to say the respondents had been guilty of profiteering; therefore they were bound to dismiss the case.

Prosecution.

At North London Police Court, on October 15, Mr. Louis Grayston Collins, manager of A. G. Collins & Brother, chemical manufacturers, Shamrock Works, Dumballs Road, Docks, Cardiff, appeared to answer a number of summonses, which had been issued at the instance of the Board of Trade, alleging that the defendant had sold soda at a price which was unreasonable in view of all the circumstances. The defendant pleaded "Not guilty." Mr. Travers Humphreys appeared on behalf of the Director of Public Prosecutions, and the defendant was represented by Mr. G. C. Kingsbury. Mr. Humphreys, after giving an outline of the market position in soda at the time of the transactions in question, said that the Cardiff firm consisted of a lady and a gentleman who were the sister and brother of the present defendant. When the defendant appeared before the Complaints Tribunal of the Central Committee (*C. & D.*, I., 1920, p. 785), he accepted entire responsibility for everything which had been done by the firm. The defendant had informed the Complaints Tribunal, by means of documents, that he had purchased soda from A. J. Walker & Co. at 8*l*. a ton and resold it at a profit of only 10*s*. a ton. No complaint of that transaction was made. He also bought two tons of soda from Brunner, Mond & Co. at 5*l*. 10*s*. a ton and resold it to Manger & Sons at 11*l*. a ton. Most people would call that a profit of 100 per cent. Counsel instanced other similar cases. Mr. Herbert Alexander Manger, managing director of J. Manger & Sons, Ltd., gave evidence of his transactions in soda with the defendant. Cross-examined : So far as the price of 5*l*. 10*s*. a ton is concerned it was no advantage to you, as you could not get any at the price?—No, we could not buy any. Mr. G. Butler, sales manager to Brunner, Mond & Co., Ltd., stated that his company and the United Alkali Co., Ltd., practically controlled the manufacture of soda ash. They also manufactured soda crystals. They fixed their price at 5*l*. 10*s*. a ton solely on the costs of manufacture. They ceased to export on March 23 last. Counsel : Were other persons exporting after that date?—No makers were exporting, but people were collecting material and exporting it. In cross-examination, the witness said he would not agree that the price of 5*l*. 10*s*. a ton for soda was fixed between his company and the United Alkali Co. Counsel asked if there was any differentiation in the percentage allowed to customers, and inquired if it was correct that customers in the north received 50 per cent. of their previous supplies while those in the south only obtained 25 per cent. The witness said that nothing like that had taken place, and all customers had the same percentage as nearly as possible. The Magistrate : What was the market price?—The manufacturers' costs *plus* the reasonable profit of the retailer. The hearing was adjourned.

The Pharmaceutical Society's Limitations.

Whether the Pharmaceutical Society of Great Britain has power to use its funds for such purposes as the formation of an Industrial Council and other trade matters was argued in the Chancery Division of the High Court on October 19.

Pharmaceutical history has been made in many ways, but never, it may be supposed, more decorously than in Court Three of the Chancery Division on October 19. The layman is always conscious, in court, of a quasi-masonic element in the proceedings; and this impression was not lacking in "Jenkin *v.* The Pharmaceutical Society of Great Britain," from the plaintive "Silence! Silence!" of the usher to the softly falling "I will consider this," with which the judge closed the hearing. The few spectators of the classic encounter comprised the President of the Society and three other members of the Council (Messrs. Keith, Skinner, and Wolff); several officials of the Society, headed by Sir William Glyn-Jones; and one or two members, like Mr. Bremridge and Mr. Hampshire, who felt, no doubt, the intrinsic attraction of the occasion. Dr. Crossley-Holland, in his robes, looked in for a time and heard part of the address of Sir Albion Richardson, who opened the case for the plaintiff. Mr. Jenkin and his solicitor sat just behind their counsel and prompted him occasionally during his opening speech, which occupied two hours. Mr. Justice Peterson's decision will be awaited with great interest by those present, as it was evident that his lordship was taking infinite pains to unravel the intricacies of the Charter and the relevant Statutes. Every precedent read by counsel on both sides was checked in a book passed up to the Bench, and the judge's pencil was seldom laid down. "Who carry on the business of chemists and druggists?" was one of his shrewd questions; it came at an early stage in the case, and was followed by others equally searching. The condensed report which follows necessarily omits some of the conversational passages between judge and counsel—passages followed with keen attention by the pharmacists present for their incidental revelation of the point of view from which the disciplined legal mind approaches pharmaceutical policy. When, for instance, Mr. Macmorran, who led for the defence, was specifying the proposed powers of the Society to undertake insurance, his lordship quietly suggested that a member might be the owner of a ship. An answer was not readily forthcoming. We also omit much repetition in the arguments of counsel. The luncheon interval occurred in the middle of Mr. Macmorran's speech for the Pharmaceutical Society, and on its conclusion after the resumption his junior, Mr. Slesser, followed with a further point of defence. Mr. Matthews, in reply, poured scorn on the case for the Society, and incidentally conceded rather more in his definition of "those who carry on the business of chemists and druggists" than his learned junior had done. During a reference in his speech to a passage in Lindley (or some other ponderous jurist), his lordship drily interpolated that the point was to have been dealt with by the author hereafter—"but there doesn't appear to be any hereafter." An interesting aside in Mr. Matthews's speech suggested that the Privy Council is not quite so omnipotent as some authorities profess to believe. The hearing lasted from half-past ten to just before three o'clock.

The Plaintiff's Case.

In the Chancery Division, on October 19, before Mr. Justice Peterson, Mr. Arthur Henry Jenkin, M.P.S., claimed a declaration that certain things the Pharmaceutical Society of Great Britain proposed to do were *ultra vires* of the Society, and claimed an injunction restraining it from expending any part of its funds on these purposes. It was contended that what was complained of was for the benefit, not of the whole of the members, as provided for by the Royal Charter of Incorporation of 1843, but of a section only—the employers. Mr. J. B. Matthews, K.C., and Sir Albion Richardson appeared for the plaintiff, and Mr. Macmorran, K.C., and Mr. Slesser for the Society.

The plaintiff, said Sir Albion Richardson in opening the case, is a chemist and druggist, employed as head dispenser for the City of London and East London Dispensary, and became a member of the Society in 1913. He was a member of the Council, and was interested in the conduct of the Society and its funds, into which he paid his annual subscriptions. The action was a friendly action. The Society, when incorporated in 1843, existed "for the purpose of advancing Chemistry and Pharmacy and promoting a uniform system of Education of those who should practise the same, and also for the protection of those who carry on the business of Chemists and Druggists, and that it is intended also to provide a Fund for the relief of distressed Members and Associates of the Society and of their Widows and Orphans. . . ." In contravention of the powers of its Charter, he submitted, and of powers conferred by statute, the Society had taken part in promoting an Industrial Council or committee for the drug-trade. It had spent funds in this promotion, and threatened to expend more on the work. The objects of this committee, as so far formulated, included the regulation of wages, hours of working, the regulation of production and employment in the drug-industry, the adoption of measures for securing the inclusion of all employers and employees in their respective organisations, the collection of statistics and information on the industry, the improvement of health conditions, and the provision of special treatment, where necessary, for workers in the industry. The Society, plaintiff complained, further alleged that, apart altogether from the formation of the Industrial Council, it had powers under the Charter and Statutes, and it threatened to undertake the following matters: To regulate the hours of business of members of the Society, to regulate the wages and conditions of employment as between masters and their employees who are members, to regulate the prices at which members shall sell their goods, to exercise the functions of an employers' association, to insure and effect insurances of members of the Society against errors, neglect, and misconduct of employees, and against fire, burglary, damage to plate-glass, and generally against insurable risks, to audit accounts, collect debts and take stock for its members, to provide and maintain an employment register and a register of unsatisfactory employees, to provide and supply information as to the commercial standing of persons and firms with whom members of the Society wish to transact business, and to provide legal advice for members. Plaintiff claimed a declaration that it was not within the objects of the Society to perform any of these matters.

Employers and Employees.

Sir Albion Richardson, continuing, said that the Society consisted of two classes—chemists and druggists who were principals and proprietors, and those who were not proprietors but were employees; and the real contest between them, in this action, was whether this Society was entitled to form itself into a trade union, with all the powers

of a trade union. The legal advice in practice could be only for the benefit of the employers, as would the register of unsatisfactory employees.

The Judge : I am not so sure about that.

Sir Albion Richardson : I suppose it will be said that the exposure of dishonest employees would be to the interest of the honest.

The Judge : It might limit the number of employees.

Sir Albion Richardson suggested that, if the funds of the Society were made liable for insurance claims, he could imagine one or two serious claims might exhaust them. As to health, he did not think the health conditions of a chemist's shop were open to criticism.

The Judge : Doesn't "chemist and druggist" cover wholesale as well as retail?

Sir Albion Richardson replied that he thought the wholesale would have the right to admission, but by-laws had provided for examination, and he was told that wholesale chemists were not, as a rule, qualified.

Mr. Macmorran, K.C., intervened to say that wholesale chemists were eligible for membership.

Sir Albion Richardson said that beside the general purposes of incorporation which he had indicated—education and protection—there was the provision of a fund for the relief of distressed members and associates. This, however, was a matter of voluntary subscriptions distinct from the membership subscriptions and other funds of the Society. Examination- and registration-fees provided for by statute went into the funds. The funds were under the control of the Council. What was proposed to be done now was for the benefit of one class, and in direct conflict with the interests of the other. Osborne *v.* The Amalgamated Society of Railway Servants (Appeal Court 1909, I., Chancery Division) showed that the powers and purposes must be limited to what was contemplated by those who granted the Charter (and there payment of members of Parliament was not so included). Counsel proceeded to read extracts from decisions in two other leading cases bearing on this point. It was common knowledge, he proceeded, that any concerted action in restraint of trade would have been illegal in 1843 and for many years afterwards. Even if it were argued that the purposes now in question were originally contemplated, he replied that they could not be used by one class of members against another, but must be for the protection of chemists and druggists as a whole. It was never contemplated that the word "protection" should cover this debatable scheme; the protection must be that of the members as a whole.

The Society's Case.

Mr. Macmorran, K.C., in reply, dwelt on the interpretation to be placed on various sections of the preamble of the Charter. "Promoting a uniform system of education for those who should practise" contemplated those employed as distinct from employers; "the protection of those who carry on the business of chemists and druggists" denominated a class smaller than the members of the Society. All members were entitled to be present at the meeting which elected the Council. On the face of it, the protection of those who carried on business was something in the nature of a trade protection. The whole point, on the score of protection, was that, if the Industrial Council was not within and under the control of the Council, it probably would be organised by some body outside. The Society was in the position that if it wanted to keep the matters which would be dealt with by the Industrial Council within its own purview, the Industrial Council must be controlled by the Society. Nothing was proposed to be done that did not reasonably fall within the description of "the protection of those who carry on the business of chemists and druggists." There was nothing outside the functions of the Society, which, like other bodies of similar constitution, had very extensive common-law rights. Mr. Macmorran proceeded to refer to a judicial decision in illustration of his point.

The Judge : There is insurance against insurable risks generally—practically converting the Society into an insurance company. Would burglary of a member's house be covered as well as burglary of his shop?

Mr. Macmorran replied that he would not dream of saying that was not subject to some limitation. As to the "black list" of employees, that was for the benefit of the Society and the public, and the provision of commercial information about firms was one of the first duties of a trade-protection society. The employment register, like the Law Society's, protected employees because it prevented employers from being left without a qualified assistant when a regular assistant was ill. Whatever might be said of its verbal expression, no single thing the Society proposed to do was outside its functions, and his lordship should especially bear in mind that it was not likely in any case to travel beyond what might reasonably be called carrying out the enumerated objects of the Society. Moreover, proceeding generally against proposals by alleging some were *ultra vires* was the wrong form of legal procedure.

Mr. Slesser briefly followed on the same side, contending that the plaintiff had sought the wrong remedy in coming into court with regard to things merely proposed to be done.

Mr. Matthews, K.C., replying for the plaintiff, said that a perfect fallacy underlay much of the case for the defence. Reviewing the statement of particulars, he argued that it was clear that many of the things proposed to be done by the Society were *ultra vires* and illegal.

The Judge : Can you say they are illegal?

Mr. Matthews : With great respect, my lord, yes. After explaining the nature of the Charter, Mr. Matthews concluded by suggesting that the expression "carrying on the business of" was susceptible of two interpretations.

The Judge : I will consider this.

Solicitors for the plaintiff : Neve, Beck & Kirby. Solicitors for the defendants : Thompsons, Quarrell & Jones.

B.P. Notes.

By "Abel Scholar."

The Precipitation of Calcium.

The precipitation of calcium from its solutions as oxalate in quantitative analysis is generally prolonged, and the precipitate so fine that it often passes through the best of filtering-papers. To obviate this, if to the alkaline solution after removal of Fe, etc., oxalic acid be added in excess, and the solution boiled, the precipitate easily settles, is granular, and readily washed. Of course the solution must be rendered slightly alkaline before collection of the precipitate.

Liquor Plumbi Subacetatis.

The preparation of liq. plumb. subacet. is full of pitfalls for the younger pharmacists. It is now made by a cold process, and a special warning should be given that, if care be not taken, the litharge finds its way to the bottom of the vessel and forms a cake there, defying the prodding of glass rods, etc., to dislodge it, and no doubt the tiro will bob a hole in the bottom of the flask and will have to start again. If, then, the vessel is a bottle, let him put it on its side and shake constantly until action is well on the way.

A Faulty Formula.

In the B.P. 1914, page 476, appears the following:

Solution of Copper Ammonio-sulphate.

Copper sulphate, in crystals ...	5 grammes
Solution of ammonia ...	a sufficient quantity
Distilled water sufficient to produce	.. 100 millilitres

Dissolve the copper sulphate in *one hundred and sixty millilitres* of the distilled water . . .; finally add to the filtrate sufficient of the distilled water to produce the required volume.

This solutions finds a place in the tests for liquor hydrogenii peroxidi, but until the error above is corrected it is difficult to see how the test can be rightly applied. It is a favourite official error; it occurred some years ago in two places—viz., tinct. benz. co. and tinct. card. co., wherein the final product was about ʒxxiij., and we were asked to make it up to one pint!

Pharmaceutical Society of Ireland.

Annual Meeting.

The forty-fifth annual meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 4. Mr. J. E. Connor, J.P., President of the Society, in the chair. The following were also present: Dr. A. J. Barnes (Vice-President), Mr. G. D. Beggs, J.P. (hon. treasurer), Dr. J. A. Walsh, Dr. R. S. Conyngham, Dr. J. C. McWalter (High Sheriff of Dublin), Dr. J. S. Ashe, Dr. Walter J. Healy, Messrs. W. F. Wells, W. J. Rankin, T. F. Storey, James A. Doyle, G. A. McLean Lee, Alex. T. McKay, D. M. Watson, Victor E. Hanna, Wm. Boulton Conyngham, W. Hopkins Ashmore, J. Burnett, D. Warwick, H. Lancashire, J.P., John Shiel, M. J. Parkes, James Michie, Robert Mellon, Wm. H. Boyd, James Duggan, William Jones, Chas. E. Digges, and A. Owen Wells.

The registrar (Mr. A. T. Ferrall) read a letter from Mr. H. Conyngham, M.P.S.I., regretting that he would not be able to be present, and suggesting the advisability of dividing the Final examination.

Election of Councillors.

The registrar read the report of the scrutineers of the ballot for the election of seven members of the Council, which showed the following result:

J. Carroll Culbert	210	A. Owen Wells	181
G. A. McLean Lee	204		
Wm. F. Wells	197	Samuel Suffern	163
George D. Beggs	196	B. J. Allshire	128
J. Edgar Connor	185	Matthew McDonald	125
T. F. Storey	183	Wm. H. Boyd	113

There were 524 voting-papers issued, of which 352 were returned, three being spoiled. Four papers arrived too late.

The President said he had pleasure in declaring the first seven elected members of the Council. He also welcomed the new members to the Council.

Mr. Storey briefly replied.

Presentation of Medals.

The President presented the Society's gold medal to Mr. Alexander Taylor McKay, M.P.S.I., who obtained 256 marks out of a maximum of 300 at the Pharmaceutical Licence examination, and the Society's silver medal to Mr. James Shirley Walsh, Ph.C., who obtained 245 marks.

The President's Address.

The President, addressing the meeting, expressed his pleasure at seeing so many present. The large attendance showed the keen interest taken in the Society by the members. He quoted statistics dealing with the period to August 1920 as follows:

Registers.

	1919	1920	
Pharmaceutical Chemists	1,091	1,151	+ 60
Pharmaceutical Assistants	225	234	+ 9
Chemists and Druggists	89	88	− 1
Registered Druggists	637	655	+ 18
	2,042	2,128	+ 86

Subscribers.

	1919	1920	Increase
Members	433	433	—
Associate Druggists	82	87	+ 5
	515	520	+ 5

The Society has lost through death the following:—Members: James North Hardy and John Edwin Levis. Associate Druggists: James A. Hanna and Thomas McBurnie. Pharmaceutical Chemists: John Henry Boardman, Patrick Cosgrave, Dr. John Evans, Dr. Michael McKenna, and John Sewell.

Examinations.

Preliminary.

	1919	1920	Increase
Candidates	141	173	32
,, rejected	67	78	11
,, passed	74	95	
,, registered on certificates from other bodies	51	55	4
Candidates registered on Army, etc., certificates	—	23	
	125	173	

Ten candidates (the same number as last year) passed with honours.

Pharmaceutical Licence Examination.

	1919	1920	Increase
Candidates	89	116	27
,, rejected	42	57	15
,, passed	47	59	12

Twenty-seven Pharmaceutical Licence candidates passed with honours.

Pharmaceutical Assistant Examination.

	1919	1920
Candidates	15	14
,, rejected	4	5
,, passed	11	9

Registered Druggist Examination.

	1919	1920	Increase
Candidates	26	36	10
,, rejected	15	18	3
,, passed	11	18	7

Demobilisation.

Demobilisation of persons who have served with the Forces increased the operations of the Society during the past year. Those who proved that their service at pharmacy or the drug-trade had been interrupted by joining the Army or Navy, but who had not passed a Preliminary examination, were granted preliminary registration on submitting proof of good general education, thus enabling them to obtain a Government grant to complete their studies, which otherwise would not be given.

On the District Selective Committee to consider applications and advise the Ministry of Labour, Mr. W. F. Wells was appointed to represent this Society in place of Mr. Michie, resigned. The President, Vice-President and hon. treasurer were appointed to represent this Society on interviewing panels to assist in the re-settlement of ex-Army men seeking employment.

Government of Ireland Bill.

The Council had, in conjunction with the Society's solicitor, considered the Government of Ireland Bill, and the Law Committee was given full powers to deal with any matters which may arise, and especially as to preserving the present rights of registered persons to continue to practise in any part of Ireland.

The Dangerous Drugs Act.

The Dangerous Drugs Act became law on October 1. It having been noticed that the Bill contained no provision requiring that, before any regulation affecting Ireland be made, the Council should be consulted, the Home Secretary was communicated with; he agreed to the proposal, and the Bill was amended.

Increase of Fees.

It having been felt that, in view of largely increased expenses, it had become absolutely necessary to consider the revision of subscriptions and fees, as a result, the annual subscriptions were raised to 31*s.* 6*d.*; Preliminary (entrance) fees to 3*l.* 3*s.*; re-examination to 2*l.* 2*s.*; Pharmaceutical Licence fees to 10*l.* 10*s.*; re-examination to 4*l.* 4*s.*; and Registered Druggist re-examination fee to 2*l.* 2*s.* The Preliminary and Pharmaceutical Licence examiners' fees have also been raised to 7*s.* 6*d.* and 10*s.* 6*d.*

respectively. A new source of increased income is the charge of 2*s.* 6*d.* for each copy of a candidate's marks. Though this charge only commenced last April, the amount received is satisfactory. A further increase of income is hoped from advertisements in the Calendar, the acceptance of which has been decided on.

The Law Committee's Activities.

The Law Committee had a considerable amount of work during the year. In some cases the warning of offenders had the desired effect, but in several it was found necessary to prosecute. Among those prosecuted was a pharmaceutical chemist carrying on two branch shops without qualified managers. In the town in which one of his branches is situated, an unqualified man kept "open shop" for the compounding of medical prescriptions. In both cases convictions were obtained. Complaints having been received of the compounding of medical prescriptions by registered druggists who, in nearly every case, styled their shops "Medical Halls," investigations followed; the allegations in many cases having been proved to be well founded, prosecutions were instituted and convictions obtained.

Examiners.

The changes during the year were: Mr. T. A. W. Hill, M.A., B.Sc., Principal of the Blackrock Technical School, taking the place of Mr. Wm. Johnston, B.A., as a Preliminary examiner, and Mr. Robert Mellon, M.P.S.I., taking the place of Mr. John Burnett, M.P.S.I. Both retiring examiners completed the statutory term of five years.

The Schools.

There was a record attendance during the past year, largely due to a number of ex-Army men in receipt of grants. The following are the numbers: Theoretical chemistry, 85; practical chemistry, 58; botany and materia medica, 73; a total of 216.

School Prizes.

Chemistry.—(*First Prizes*): T. J. Burke and W. Gallaugher, 90 per cent. (*Second Prizes*): R. Taylor, 88 per cent.; J. Coffey, 75 per cent.

Materia Medica.—(*First Prizes*): R. Taylor, 98 per cent.; R. S. Adamson, 83 per cent. (*Second Prizes*): T. J. Burke, 94 per cent.; F. X. Wilson, 78 per cent.

Botany.—(*First Prizes*): A. W. Slater, 80 per cent.; T. J. Burke, 78 per cent.; J. McCullagh, 76 per cent. (*Second Prizes*): T. McIver, 72 per cent.; F. X. Wilson, 71 per cent.; F. P. Reynolds, 70 per cent.

Financial Statement.

Mr. Beggs, J.P., submitted the financial statement. He said that for the period ended August 1919 they had received for fees 721*l.*; this year they had received 1,032*l.* Of course, a good deal of the increase was due to the raising of the fees. In 1919 they received in subscriptions 447*l.*; this year the figure was 432*l.*, a falling off. The fines and costs recovered this year amounted to 53*l.* 3*s.* 9*d.*, as against 4*l.* 10*s.* 8*d.*, though their law costs last year amounted to 253*l.*, whereas this year they were only 145*l.* Last year fees to examiners, fees refunded, etc., amounted to 266*l.*; this year they amounted to 350*l.* They had passed through a very strenuous time, and he thought the Society might be congratulated on the way they had carried through. If they practised economy they ought to wipe out their debt next year.

Mr. McLean Lee, one of the auditors, said he thought, on the whole, that the financial statement was satisfactory. The accounts were in perfect order, and he congratulated their registrar on the methodical and correct manner in which he had prepared them. The financial statement presented this year was simply a statement of moneys received and expended. The auditors thought it would be better that this should be amplified, and that accounts should be furnished showing the accounts outstanding at the end of the accounting period. They could be put as a separate balance-sheet. In what he said he intended no censure on anyone connected with the accounts, which were in absolutely perfect order. (Applause.)

Mr. Digges (auditor) endorsed what had been said by Mr. Lee. He suggested that in future all liabilities to the end of the financial year, August 31, should appear on the debit side of the accounts. In their statement, Consols were still kept at their original value. He thought that was rather a mistake, and that a certain proportion should be written off.

Mr. Lee said their 1,800*l.* Consols was now worth only about 900*l.*

Mr. W. F. Wells said the Society was drawing as much from the Consols to-day as when they got them, and they would remain the same value to the Society until they sold them. If they had a balance-sheet of the Society they would very properly write them down in order to show their current value.

Mr. Ashmore said it was advisable to have a statement of the Society's assets and investments written down to market value.

Mr. Watson said they should have, in addition to the cash account, a balance-sheet, even if they had to employ a chartered accountant.

On the motion of Mr. Lee, seconded by Mr. Watson, a direction was given that the accounts should be presented next year in such a manner as to disclose the assets and liabilities of the Society.

The financial statement submitted was adopted, on the motion of Mr. Ashmore, seconded by Mr. W. B. Conyngham.

The Future of the Society.

Dr. Ashe said he would have been very glad indeed if the President could have given them any forecast as regards the future of the Society. Certain legislation was coming. Were they taking time by the forelock, considering what might happen, and laying their plans accordingly. He thought the Society were not over-generous as regards the prizes they offered students. As an old professor of the School, he would like to see them offering more than a 1*l.* prize at the present time. They ought to be more generous in the matter. He thought the Council should introduce a little more green into the selection of their officers. There was a gentleman present for whom he had a very great regard, and he hoped to see him some day in the exalted position occupied by the President. He congratulated the Society and the President on the Society's present condition.

The President said the question of the position of the Society in connection with the Government of Ireland Bill had been before the Law Committee; and the Committee were given full powers to deal with any contingency which might arise, especially as regards preserving the rights of registered persons, so as to enable them to continue to practise in any part of Ireland. They could not go further, owing to the present unsettled condition of affairs. Our interests, however, were being well looked after by our legal adviser, Mr. Meeke, who was keeping in close touch with the Government.

Mr. W. F. Wells said the Council had very fully considered what effect the Bill or any other Bill might have on their licentiates. They had never had politics at their Council. (Hear, hear.) He had never heard anything brought forward that could give offence to any member of the Society. Their Council had been very careful that they did not touch politics in any shape or form. They had seen, however, that it was their duty to instruct their law adviser to take all steps necessary, in connection with the Government of Ireland Bill, to protect their present licentiates and the registered druggists. The solicitors and the barristers had had a clause put into the Bill, and that clause reserved to them the right to practise in any part of Ireland supposing the country was divided up. They could do no more than ask the Attorney-General, whom their solicitor saw, to put them in exactly the same position, so that if the Bill passed they would get exactly the same consideration as the solicitors and the barristers. He thought they would all agree that that was only right and just. The Council considered that, without going into politics, they could not go any further. Mr. Meeke, their solicitor, had the matter in hand, and was in touch with the Attorney-

General; and they thought the Attorney-General would not leave them in a worse position than the solicitors and the barristers. According to the Society's Act of Parliament every amendment that they made in the regulations and every new regulation that they made had to be approved of by the Privy Council. Under the present Bill, if it passed, the Privy Council would cease to exist; and they had therefore asked the Attorney-General to insert a temporary clause which would give some other body power to approve of their regulations. Every examiner that they elected had to be approved of by the Lord Lieutenant in Council, and if the Privy Council disappeared they could not, as the Bill stood, get an examiner approved of. These two matters would be provided for if it became necessary. They were a Society without politics and religion (laughter), and they wanted to live in peace and harmony all together. (Applause.)

The Question of Reciprocity.

Dr. McWalter said the Council could not have done better. But he thought that at a meeting like that it would be well to elicit an expression of opinion whether they would not be able to take some steps whereby the Irish licence would be recognised in England. That would mean that the Irish Society would have to recognise the British licence. The present state of affairs was an anomalous one. The same Medical Act referred to all parts of the United Kingdom. If a man was qualified to practise in England he was qualified to practise in any part of the British Empire. But a man who was qualified to practise pharmacy in Ireland was not qualified to practise in England, nor was the man qualified to practise in England at liberty to practise in Ireland. That inflicted a great hardship. He thought it would be comparatively easy to get the Attorney-General to introduce into the next Health Bill a clause providing that it would be competent for the Pharmaceutical Society of Ireland to recognise the qualifications authorised by the British Society, and that it would be competent for the British Society to recognise the Irish qualifications. Men who had been in the war and who had obtained a Government subsidy, and whose qualifications were obtained in Ireland, could not, under present conditions, practise in England; and they had Government money spent in vain to that extent.

Mr. Lancashire: What is the objection? Some of us are desirous to be as close to Great Britain as we may be.

The President said some members objected to reciprocity, on the grounds that if in force they feared this country would be invaded by large numbers of English pharmacists.

Mr. Lancashire: Our licentiates have an opportunity of getting to the other side.

The Registrar said that in the original Bill of 1875 there was a clause permitting reciprocity between the two Societies, and his recollection was that the British Society opposed that, so that the Irish Society was altogether in favour of reciprocity at the beginning.

Mr. W. F. Wells said that when the Irish Bill was before Parliament the British Society opposed it. The British Society wanted to have a Bill passed to include Ireland in the British Act. The Irish pharmacists naturally wanted a Bill for themselves; and they ultimately got the Chief Secretary to bring in a Bill. In the Irish Act the Irish Society had no power of reciprocity. In their Act of 1908 the British Society got a clause giving them power to accept any certificate that they considered good enough or equal to their own licence. The British Society had recognised other Societies in different parts of the British Dominions, but they had not up to the present recognised the qualifications of the Irish Society. Some years ago the Irish Society accepted the Preliminary examination of the Pharmaceutical Society of Great Britain, but the Irish Society could never get the British Society to accept their Preliminary, though it was a stiffer one than the British. There was a great diversity of opinion as to whether the Irish Society should recognise the licences of bodies outside Ireland. There were a great many Scotsmen coming to Ireland, and some of their licentiates were thinking that it would be as well to keep the Scotsmen out. The Council would follow this matter up and see if they could not induce the British Society to accept their certificates and show a little friendly spirit to them. (Hear, hear.)

Dr. McWalter said they would get no help from the British society, who, if they could, would sweep them off the earth. (Laughter.)

Mr. Hanna said if they were to discuss this matter they ought to have it on the agenda. It would be hardly fair to decide in a few minutes a matter of this sort, which would have a far-reaching effect on Ireland.

The President: If the matter did come before us we would take steps to find out the opinion of the pharmaceutical chemists throughout the country before anything definite was done.

Mr. W. B. Conyngham said he was sure the Council would be actuated by a desire to advance the welfare of the country. If reciprocity would produce feelings of friendship between the members of the profession, then he was sure the Council would give the matter its deep consideration.

Mr. Ashmore expressed himself in favour of reciprocity.

Mr. W. F. Wells said that in 1908 the Society's representatives did their level best to get a reciprocity clause for Ireland, but owing to disagreements among their own licentiates the Government would not listen to them. They lost through their own fault the power of accepting their brethren in the Colonies or Great Britain.

Mr. Lancashire: We have all advanced since then.

Mr. Preston said that in Richmond, with a population of 65,000, there were only five chemists. Would they tell him of any place in Ireland like that? He thought reciprocity would be to the advantage of Irish licentiates.

Mr. Storey said nobody had spoken against reciprocity; and he thought the opinion of the meeting was fairly well in favour of reciprocity.

The President said they were indebted to Dr. McWalter for bringing this important matter before them. Although the meeting seemed in favour of reciprocity he did not think it advisable to take a vote on the subject, at this juncture. He thanked those present for their attendance.

Membership of the Society.

Mr. Storey asked was there any way of getting licentiates who were not subscribers to the Society to subscribe?

Mr. Ashmore suggested that they should get an Act of Parliament to compel chemists who kept open shop to pay a guinea a year to the Society.

Dr. McWalter said there was not the remotest chance of that.

The President: In the 1908 Bill there was a clause providing for a fee of a guinea, and that was struck out.

The Registrar Complimented.

Mr. Hanna paid a tribute to the services of Mr. Ferrall, the registrar to the Society during the year, and said his experience was very valuable to the Society. He suggested that they tender their heartiest thanks to Mr. Ferrall.

Mr. Ashmore seconded.

The President hoped that Mr. Ferrall would long be spared to guide their Society.

Mr. Ferrall said he tried to do the work as well as he could; and he could not do more than that. He thanked them very much. (Applause.)

Council-meeting.

The monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on October 12, Mr. J. E. Connor, J.P., President of the Society, in the chair. The following members of the Council were also present: Dr. A. J. Barnes (Vice-President), Mr. G. D. Beggs, J.P. (hon. treasurer), Dr. J. C. McWalter (High Sheriff of Dublin), Messrs. W. F. Wells, James Tate, James Michie, G. A. McLean Lee, V. E. Hanna, D. M. Watson, John Smith, A. Owen Wells, Charles E. Digges, J. Carroll Culbert, and T. F. Storey.

Election of Officers.

Mr. Beggs proposed the re-election of Mr. J. E. Connor, J.P., as President of the Society for the coming year.

No member of the Council could say that the business had not been admirably conducted by Mr. Connor, and he had pleasure in asking him to retain the office for the coming year.

Mr. W. F. Wells seconded. Mr. Connor, he said, had represented the Society at the British Pharmaceutical Conference in England in a very able manner. It had been usual for a President to take two years of office, and he thought the Council would be doing their duty to Mr. Connor and to the Society in re-electing him for another year.

Mr. Tate and Mr. Hanna supported the proposal, and Mr. Connor was thereupon unanimously re-elected President.

The President, in returning thanks, said he appreciated very much the compliment the Council had paid him. Were he to consult his own interests he would probably refuse the honour. But the conferring of it was unanimous, and he had great pleasure in accepting the office. He would like to say how indebted he was to the Vice-President (Dr. Barnes) for the able assistance he had given him on every occasion. Had it not been for Dr. Barnes, he was sure he would not have been able to carry on as he had done. The President then welcomed the two new members of the Council, Mr. Culbert and Mr. Storey.

Mr. Culbert and Mr. Storey briefly thanked the Council for the kind reception they had received.

The President then proposed the re-election of Dr. Barnes as Vice-President.

Mr. Digges seconding, Dr. Barnes was unanimously re-elected. He thanked the President and Council for the compliment they had paid him.

Mr. W. F. Wells proposed the re-election of Mr. Beggs, J.P., as treasurer. Mr. Watson seconded, and Mr. Beggs was unanimously re-elected.

Appointment of Auditors.

Dr. Barnes urged the appointment of a professional auditor to audit the accounts of the Society. They were a public body, and he thought they should have a public auditor. He believed he was the first member of the Society to make this suggestion. He made it some years ago, but he did not persist in it because of the financial state of the Society. He was reluctant to involve the Society in any unnecessary expenditure, but he had come to regard this as a necessary expenditure. At the annual meeting each year the criticism was becoming sharper, and, to put it mildly, that did not look well for them as a Council. Of course he was not seeking to cast any reflection upon last year's or previous years' auditors. Far from it. On the contrary, one reason why he made the suggestion was in their favour. He did not consider it at all fair that two Councillors should be expected to come there and spend several hours wading through twelve months' accounts. He thought it was quite enough that a member of the Council should give his services and time in attending meetings during the year.

Mr. Lee (one of the retiring auditors) seconded the proposal, and said a professional auditor should be appointed for the coming year at all events. They were now going to have a different system of presenting the accounts for the coming year, and it would be better to have a professional accountant. If they found that the auditors and the registrar would be able to follow in his footsteps they might subsequently alter the arrangement.

Mr. Watson said his idea was that in order to keep the accounts so as to present their balance-sheet in the form that had been recommended at the annual meeting it was desirable to get a professional accountant to keep the books from the beginning of the present year. The appointment of a professional accountant to keep the books in order would not interfere with their own plan of having two auditors from the Council.

Mr. Digges (the second of the retiring auditors) said that as Mr. Lee's co-auditor for the past couple of years he would welcome the suggestion to have a professional auditor appointed, so that they might have the proposed system of accounts and a proper balance sheet.

Mr. Beggs said that if the fee was not prohibitive he would strongly support the suggestion. They had as good men on the Council as there were outside it; and once they got into the method there would be no difficulty in continuing the system afterwards.

Mr. Hanna suggested the accounts should be kept as from July 1 to June 30.

Mr. W. F. Wells said that from the discussion which had taken place some members of the Council might fancy that there was something wrong with the accounts. There was nothing wrong with them. There was nothing wrong with the cash statement; but it had been suggested that they should have a sort of stocktaking, and that the position in which the Society stood should be shown at each annual meeting. He thought they should have their own auditors also, even if they employed a professional auditor.

Mr. Watson proposed the re-election of Mr. Lee and Mr. Digges as auditors, and that the method of keeping the accounts and the preparation of a balance-sheet be referred to the House Committee.

Dr. Barnes seconded, and the motion was unanimously adopted.

Election of Committees.

The members of the various committees were also elected. The Law Committee remains as last year, except that Mr. Culbert replaces Mr. Wm. Hanna. The House Committee and the Declarations Committee remain unchanged, except that Mr. Storey replaces Mr. Middleton on each. The Certificates Committee and the School Committee remain unchanged.

Past-President's Resignation.

The registrar submitted a letter from Mr. Wm. N. Allen, Ph.C., Caerneagh, North Circular Road, Dublin, who wrote that he did not intend continuing as a member of the Society. He added: "I think I have been quite long enough subscribing. I hope, however, that I shall have the pleasure of continuing our friendship apart from any connection with the Society."

It was stated that Mr. Allen was the first examined licentiate of the Society, that he is a past-President, and has also been an Examiner. It was mentioned that he had been many years out of business, and that that was an explanation of his resignation. Testimony was borne to his services to pharmacy, and regret was expressed at his severance from the Society by Mr. Watson, Mr. W. F. Wells, and Mr. Beggs, Mr. Wells remarking that he had been one of the Society's best Presidents and one of the most up-to-date pharmacists that had ever been in Dublin. The Registrar was directed to write to Mr. Allen and convey the Council's regret at his severance from membership of the Society.

Preliminary Registration.

Messrs. W. J. Butler, E. J. Fallon, J. P. Kelly, and T. P. Power submitted certificates from other bodies, and were admitted to Preliminary registration. Miss Julia Brady and Mr. C. R. Mathews, R.D., who submitted Army and other certificates, were also admitted to Preliminary registration.

Changes of Address.

The following notified changes in their addresses:

Mr. H. L. Wilson, Ph.C., from Navan to Oldcastle; Mr. H. C. Meyrick, Ph.C., to 68 King's Road, Southsea; Mr. G. Shannon, Ph.C., to The Pharmacy, Castlewellan, co. Down; Mr. P. Brooke Kelly, Ph.C., to 21 Georges Street, Enniscorthy; Mr. D. J. Kavanagh, Ph.C., to Mulligan's Medical Hall, Main Street, Swinford, co. Mayo; Mr. R. D. Clarke, Ph.C., to 17 Westbourne Place, Queenstown; Mr. J. C. Boyle, Ph.C., to Fortwilliam Medical Hall, 82 York Road, Belfast; Mr. Robert Tuckaberry Burns, R.D., to Avoca, Finaghy Park, Belfast; and Mr. D. C. Loughlin, R.D., to 10 Glanworth Street, Belfast.

Elections and Nominations.

The following were elected as members:

Mr. John Corcoran, Ph.C., Wilson's Medical Hall, Main Street, Longford; Mr. Thos. Farrar, Ph.C., Milford, co. Carlow; Mr. Thos. Leahy, Ph.C., Gorry's Medical Hall, Baltinglass, co. Wicklow; and Mr. Alex. Steede, Ph.C., Craig's P.O., co. Antrim.

The following were nominated for membership :

Mr. John Bourk, Ph.C., c/o Mr. J. B. Bolger, M.P.S.I., Rathdowney, Queen's County; Mr. J. Dawson McClelland, Ph.C. The Medical and Veterinary Stores, Letterkenny, co. Donegal; Mr. James Moore, Ph.C., 2 Lewfort Villas, Kingstown; Miss J. Agnes Murphy, Ph.C., Cloughleafin House, Mitchelstown, co. Cork; and Mr. James Glendinning, Waterloo Place, Derry.

Reports from Committees.

Reports from the following committees were received and adopted : The Law Committee, the Certificates Committee, the Declarations Committee, and the House Committee.

Election of an Examiner.

On the motion of Dr. Barnes, seconded by Mr. A. Owen Wells, Mr. George Ebrill, B.A., was re-elected an examiner to conduct the Chemistry Division of the Pharmaceutical Licence Examination.

Pharmacy Service.

The registrar submitted communications from Mr. William Beggs, Dunluce House, Larne, co. Antrim, asking that the service at pharmacy in his case be reduced to three years on account of his having served two and a-quarter years in the Royal Army Medical Corps. The registrar stated that in reply to the first communication from Mr. Beggs last June he had written to him stating that, as the Irish pharmacy laws require a minimum service of four years in an open shop in accordance with the enclosed Regulations, it is impossible to accede to your request. The utmost concession that we have power to make is that service at pharmacy before passing the Preliminary examination is accepted in the case of an ex-Army man.

Mr. Culbert strongly urged the case of Mr. Beggs on the sympathetic consideration of the Council. He mentioned that he had studied for medicine and had afterwards become associated with journalism, relinquishing a good position in order to join the Army. He had served as compounder under a member of the Pharmaceutical Society in Omagh, Mr. T. J. McAdam, who sent the following certificate :

I hereby certify that Mr. Wm. Beggs, late sergeant R.A.M.C., was associated with me in the dispensing of medicine at the Military Hospital, Omagh, and is a careful and accurate compounder. He worked with me for two and a-quarter years, and has a good knowledge of the work.

After some discussion the following resolution, proposed by Dr. McWalter, and seconded by Mr. Culbert, was passed by a majority of four, eight voting in favour of it and four against :

That the Council of the Pharmaceutical Society of Ireland is prepared to accept the service of Mr. Begg as Army compounder in place of one year's ordinary apprenticeship to a pharmaceutical chemist subject to the approval of the Privy Council, which is hereby respectfully requested.

Sale of Agricultural Poisons.

Mr. Storey asked what the Council had done with a view to preventing the indiscriminate issue of licences for the sale of agricultural poisons. He knew one little town in which there were two registered druggists; and in that town four other persons were licensed to sell poisons such as arsenic contained in sheep dips, etc.

The President said the issue of these licences rested with the local authorities.

Mr. W. F. Wells said some members of the Council had spent a good part of three years in endeavouring to stop the passage of the Bill, which conferred the power to issue these licences on the local authorities. For two years they had succeeded in blocking the Bill. In the third year the Pharmaceutical Society of Great Britain said they wanted the Bill to pass, and the Irish Society found that there was no use in trying to oppose it further. An attempt on their part to get certain restrictions introduced also failed. They were as badly hit in Dublin as they were in the North of Ireland. Licences had been granted right, left, and centre. The Society had no power to oppose the granting of licences. They might take steps to prosecute a holder if certain formalities were not observed. But in the case of a country prosecution a fine of 6*d.* or 1*s.* might be imposed, and it might cost the Society 20*l.*

Mr. Watson said the Pharmaceutical Society had no *locus standi* in connection with the whole machinery of the Act under which the licences were issued.

Examination Results.

The following are the results, in order of merit, of the recent examinations :

Preliminary Examination.—The following passed : Walter Baxter, Lurgan; Mary A. Hagarty, Bracklyn; John J. Foley, Dublin; Eileen Dimond, Rathowen; Kathleen M. J. O'Riordan, Clonmel; Kathleen C. L. White, Youghal; Kate A. Casey, Skibbereen; John J. L. Robinson, Pettigo; Mary Meade, Queenstown; Mary Judge, Clonmel; Thomas M. A. Dromgoole, Dundalk; Teresa M. Collins, Dublin; Irene L. Munyard, Youghal; Agnes McGovern, Dublin; James O'Connor, Killarney; Ivy L. Munyard, Youghal. Fourteen candidates were rejected.

Pharmaceutical Licence Examination. — Thomas Joseph Smith, Dublin; Joseph Patrick Butler, Cahir; David Moffatt, Canningstown; Joseph Denis Murphy, Skibbereen; and Harold Clyde McCracken, Belfast; passed with honours. The following also passed : Francis Xavier Wilson, Dublin; Wm. Richardson Morris, Tinahely (Sarah Ellen Patricia McHenry, Enniskillen = Timothy Kerins, Scartaglen); Thomas Joseph Doyle, Dublin; Wm. Thomas Hinchy, Dublin; Herbert Thomas Whitley, Schull; Robert Wm. Knaggs, Belfast; Wm. Stack, Listowel; Vincent Hood Nicholson, Cork. Twelve candidates were rejected.

Pharmaceutical Assistant Examination. — Norman Paul Mitchell, Dublin, and Robert Harding Peake, Dublin, passed.

Registered Druggist Examination.—The following passed (names in alphabetical order) : Edward Holt Donaghey, Belfast; John Hale, Downpatrick; Charles Buchanan Jones, Belfast; John Patrick O'Connor, Dublin. Four candidates were rejected.

Poisonings.

At Wolverhampton, Cordelia Crowhurst committed suicide by taking spirit of salt.

At Carshalton, Edith Hutchinson, a servant at a convent, committed suicide by drinking arsenical weed-killer while depressed over a quarrel.

At Hendon, London, N.W., a french polisher named Summerfield committed suicide by taking potassium bichromate while of unsound mind.

The death is reported, from Hubberstone, of a fisherman named Hicks, who had mysteriously obtained possession of some pills containing morphine left in a Milford Haven doctor's surgery and addressed to a patient.

A verdict of "Death from arsenic poisoning" was returned at an inquest held at Mansfield, on October 14, on the body of a child aged eleven, who had died after eating cake and pastry. Analytical evidence showed that arsenic was present in samples of the food examined to the extent of 1-7th gr. to the lb.

Important deposits of barytes (99 per cent. barium sulphate) are being developed at Noarlunga, about twenty-five miles from Adelaide.

Aniline-Dyes in Brazil.—The attempt on the part of the firm Naegeli & Co., of San Paulo, who had obtained Brazilian patents for aniline dye processes, to embarrass the importation of aniline dyes by proceeding with civil and criminal actions and arrest of stocks of importers, users, and sellers of foreign aniline dyes, has been finally defeated by judgments against the claims of that firm, it being recognised that the manufacture of such dyes infringes no patent rights of the firm in question.—"Bulletin of the British Chamber of Commerce in Brazil."

Personalities.

Mr. G. W. Fisher, chemist and druggist, Melton Constable, has won a prize of 100*l.* in a "Trench Tit-Bits" competition.

Dr. A. J. Barnes, Vice-President of the Pharmaceutical Society of Ireland, won the fourth prize of 25*l.* in the recent "Londovus" handwriting competition.

Mr. Frank Moss, chemist and druggist, 206 Redland Road, Bristol, has been elected captain of the Rodway Hill Golf Club, of which he has been a member for fourteen years.

Mr. W. Cross, of J. L. Hopkins & Co., drug merchants, 100 William Street, New York, is now on a business visit to London. Letters may be addressed to him care of The Chemist and Druggist.

Mrs. Maundrell, wife of Mr. H. T. Maundrell, chemist and druggist, Milton Regis, was, on October 19, sworn in as a justice of the peace for the county of Kent. Mrs. Maundrell is the first lady magistrate to be appointed for the Sittingbourne Petty Sessional division.

Mr. E. Ockwell, chemist and druggist, Crayford, has been elected the first chairman of the local urban district council. Mr. Ockwell reminds us that at the council election recently referred to in our "Personalities" he was returned at the head of the poll. He is also a justice of the peace for the county of Kent and a freeman of the City of London.

Mr. G. Claridge Druce, L.L.D., J.P., Ph.C., was elected an alderman of Oxford by a unanimous vote of the city council on October 14. Dr. Druce has served as councillor for the South ward for twenty-eight consecutive years—a record of seniority in a council not often surpassed. He has also been chairman of the public health committee, as well as vice-chairman of the public library of the city for upwards of twenty years.

We had a call this week from Mr. J. Lyons Duncan, of Megalong, Kalaomba, New South Wales, who has been a reader of the *C. & D.* since the paper was founded. Mr. Duncan is a native of Aberdeen, but has been in Australia for many years. He is now retired from business and renewing his acquaintance with the country of his birth. Mr. Duncan, who is accompanied by his daughter, is returning to Australia by the Panama Canal route, and intends visiting New Zealand.

Mr. J. W. Roberts, chemist and druggist, Tavistock Place, London, W.C. 1, who has been elected President of the Chemists' Dental Society, has had a considerable and varied experience in both dentistry and pharmacy. On commencing his apprenticeship to Mr. A. E. Beardmore, chemist and druggist, Wolverhampton, in 1895, one of his first duties was that of turning on the nitrous-oxide gas for administration to dental patients. Before qualifying as a chemist and druggist in 1901, Mr. Roberts gained further experience in dentistry, and was sufficiently keen in this work to purchase his own set of scaling and stopping instruments. Before commencing on his own account he enlarged his experience with Maitland, Son & Lindley, Chester Place, London, W., and other West End chemists. His present business, which he purchased from Mr. H. Morgan in 1908, had previously been carried on as a pharmacy and dental surgery for over thirty years. Mr. Roberts joined the Chemists' Dental Society (the only society which looks after the interests of chemists practising dentistry) at the inaugural meeting held at the office of The Chemist and Druggist in 1910, and two years later was elected treasurer. The balance at that time showed a credit of less than 50*l.*; but on recently relinquishing the office Mr. Roberts had the satisfaction of handing over 500*l.* to the new treasurer. He was one of the leaders of the successful opposition to the proposed amalgamation of his Society with another dental society in 1915; and his persistent efforts in "lobbying" against clause 206 of the impending Dentists' Act Amendment Bill have shown that he will allow no opportunity to pass where the interests of his fellow-members are concerned.

Mr. J. W. Roberts.

Mr. A. Owen Wells, Ph.C., the new President of the Dublin and Provincial Retail Drug Association, is the proprietor of W. F. Wells & Son, 61 Upper Sackville Street, Dublin, and a member of the Council of the Pharmaceutical Society of Ireland. He is the grandson of the late Mr. W. F. Wells, who founded the business in 1842, and son of the late Mr. James Wells, L.P.S.I. Mr. Owen Wells served his time partly with his uncle, Mr. W. F. Wells (past-President of the Pharmaceutical Society) and with Hayes, Conyngham & Robinson, Ltd. He has also other provincial and city experience. Mr. Wells' establishment is recognised as one of the best-fitted-up and up-to-date pharmacies in Ireland. He completed his quarter-century in the business this month.

Mr. A. Owen Wells.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Parliament Met

again on October 19, after the autumn recess. The chief feature of the sitting on Tuesday was a debate on the miners' strike

Imports of Dyes.

Sir Phillip Lloyd-Greame, in reply to a question on October 20, replied: The total quantity of synthetic dyestuffs, including intermediates, consigned from Germany, registered in the first nine months of this year, was 1,574 tons, valued at 1,399,027*l.*, of which 877 tons were received under the reparation clauses of the Treaty of Versailles. Details as to the quantities of chemicals imported from Germany are at present only available for the first two quarters of this year. No chemicals other than dyestuffs have been received from Germany by way of reparation.

Profiteering Department.

In reply to a question to the Board of Trade, it was stated on October 19 that the total expenditure incurred by the Board of Trade in the administration of the Profiteering Acts from the coming into force of the Act in August 1919 to September 30 last was approximately 39,000*l.* This sum does not include the cost of office rent, lighting, or stationery. The staff employed in London number 121, and in the country five. There are at present 1,803 local committees established by local authorities, in addition to which the Board of Trade has established 108 appeal tribunals to deal with appeals from the local committees, and the Central Committee to deal with cases of alleged profiteering on the part of wholesale traders and manufacturers.

On October 20 it was stated that the Central Committee has investigated 378 complaints of alleged profiteering on the part of wholesale traders and manufacturers, and in 337 cases has found that there was no substance in the charge of profiteering. The expenditure of the Central Committee to September 30 amounted to approximately 27,000*l.* This figure does not include office rent, lighting, or stationery.

Deaths.

Black.—At the Victoria Infirmary, Glasgow, on October 12, after a brief illness, Mr. Joseph Edwin Black, chemist and druggist, Pollokshaws Road. Mr. Black qualified in 1906, and subsequently took over a business in Glasgow from Wilson, McNie & Co., Ltd. He did useful work on the council of the Glasgow and West of Scotland Chemists' Association, and also on the Glasgow Pharmaceutical Committee.

Carter.—At Broadway, South Shore, Blackpool, on October 16, the wife of Mr. Thomas Carter, retired chemist.

Dalton.—At 57 Belsize Avenue, London, N.W. 3, on October 19, Sir Cornelius Neale Dalton, K.C.M.G., C.B., D.C.L., late Comptroller-General of Patents, aged seventy-eight.

Mumford.—At Bridgend, recently, Mr. Richard Mumford, chemist and druggist, aged sixty-nine. Mr. Mumford was born in Cardiff, and was apprenticed there to the late Mr. S. P. Kernick. After a few years' experience as an assistant in London, Liverpool, and Manchester, and a course of study at the Westminster College of Pharmacy, he passed the Qualifying examination in 1876. Two years later he started in business on his own account in Meteor Street, Cardiff, removing to Bridgend in recent years. Mr. Mumford was one of the founders of the Cardiff Pharmacists' Association, and became its President, after three years' work as secretary, in 1907; on leaving Cardiff he was presented by the Association with an illuminated address. Mr. Mumford was prominently identified with the Tennant and other Masonic lodges. He is survived by a widow and a family.

Mr. R. Mumford.

West.—At Little's Point, Swampscott, Mass., U.S.A., on September 28, Mr. Charles Albert West, Vice-President of the Eastern Drug Co., Boston, Mass., aged seventy. Mr. West was a prominent figure in the wholesale drug trade, with which he had been identified for over half a century. In 1916 he was President of the National Wholesale Druggists' Association, and was also President of the American Camphor Refining Co.

Wilson.—At Bournemouth, on October 12, of pneumonia, Mr. William Joseph Wilson, chemist and druggist, 85 Willows Road, Cannon Hill, Birmingham, aged sixty-six. Mr. Wilson had a business at Oxford for some years, and on relinquishing it acted as relief manager to Boots, Ltd. Prior to taking up his residence in Birmingham, he was in the London area, where the strain of the air raids and the loss of a son seriously impaired his health. He had been in Bournemouth only a few days when pleurisy set in, developing into pneumonia. Mr. Wilson is survived by a widow, two sons, and a daughter. The funeral took place at Brandwood End Cemetery on October 16.

Mr. William Peele Kirk, Ph.C., 45 Somerville Road, Waterloo, Lancs, who died on August 18, left estate of the gross value of 5,781*l.* 1*s.* 10*d.*, of which 5,684*l.* 12*s.* 3*d.* is net personalty.

Hunger-strikers' Nutriment.—On the motion for the adjournment of the House of Commons on October 20 the matter of the hunger-strike of the Lord Mayor of Cork was referred to. The Home Secretary said, "I know that he has taken certain light medicines, like Eno's Fruit Salt from time to time, but whether he has taken lime-juice or not I have not had an opportunity of asking."

Trade Notes.

Clements, Newling & Co., Ltd., 95-96 Wood Street, Cheapside, London, E.C. 2, are envelope specialists.

Aspirin Tablets.—Reduced prices for aspirin tablets are announced by Menley-James, Ltd., manufacturing chemists, 64 Hatton Garden, London, E.C.

Lasègue Toilet Preparations.—The sole agents for the United Kingdom for Lasègue's toilet preparations are the Autable Co., Ltd., 57 Moorfields, Liverpool.

The Veno Drug Co., Ltd., manufacturing chemists, Manchester, urge chemists to secure stocks of Veno's Lightning Cough Cure and other specialities without delay. If the coal strike continues the transport problem may be a difficult one.

Midgley's Medicated Soaps.—An announcement is made in this issue that George Holliday & Co., Ltd., have appointed Evans Sons Lescher & Webb, Ltd., sole distributing agents throughout the world for Midgley's medicated and other soaps.

Christmas Trade.—"Wright's Concentrates" or drop perfumes are a capital line for Christmas trade and are cheaper than perfumes containing alcohol. Wright, Layman & Umney, Ltd., Southwark Street, London, S.E. 1, give in their advertisement in this number a long list of the perfumes.

Navy and Army Contracts.—Burgoyne, Burbidges & Co., Ltd., East Ham, London, E.C., remind us that, in addition to securing the contract for chemicals and drugs for the Navy for twelve months (*C. & D.*, October 16, p. 45), they already hold the Army contract. We believe it is the first time that the two contracts have been held by one company simultaneously.

Sicilian Essential Oils.—Ferreri di Esco, of Messina, Sicily, announce the appointment of Magnus, Mabee & Reynard, Inc., New York, as their sole selling agents for the United States and Canada. Messrs. Ferreri are one of the largest manufacturers of essential oils of lemon, orange, and bergamot, their brand being well-known in the United States.

National Cash Registers.—The National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W. 1, send us a booklet entitled "What Chemists say about N.C.R. Equipment." Testimonials received from chemists are reproduced in facsimile, and there are illustrations of the leading sizes of the National cash registers. Copies of the booklet will be sent to any chemist who applies.

Crookes' Glass.—Chance Bros. & Co., Ltd., Smethwick, Birmingham, are sending to chemist-opticians an attractive showcard and an explanatory booklet regarding Crookes' glass which the company manufacture. There is to be an advertising campaign in the Press, and it is hoped that chemists will be prepared to meet the demand for spectacles and eye-glasses glazed with lenses of the Crookes' eye-protecting glass.

Pear Blossom Powder.—The Golden Series of toilet preparations brought out by A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1, continues to expand. This week Pear blossom powder has been added. It is packed in large square boxes selling at 3*s.* 3*d.*, and the powder can be had in three varieties—cream, white, and pink. The boxes are attractively decorated in gold, and these are enclosed in maroon cartons with gold-embossed lettering.

Pricing Cotton Wool.—Robert Bailey & Son, Ltd., Marriott Street Mills, Stockport, have issued a booklet which contains tables for ascertaining at a glance the cost of small packets and cartons of cotton wool from the basis price of from 1*s.* to 7*s.* 6*d.* per lb. Tables are also given for the cost of bandages, with the 1-in. width as unit, and of gauges in packets from the basis price per 100 yards. Chemists who desire to possess this handy booklet should ask the company for a copy.

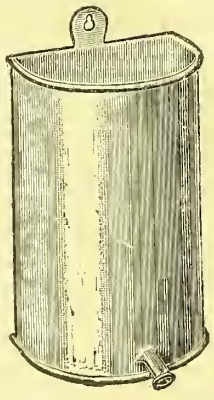
Winter Beverages.—The Greenwich Lemonade Co., 11 John Penn Street, London, S.E. 13, are advertising

in this issue the G.O. ginger-wine crystals and the G.O. orange-wine crystals, both specially suited for sale at this season of the year. The crystals are packed in lever-topped tins (selling at 1*s.* 6*d.* each), which preserve the crystals perfectly. By dissolving the contents of one of the tins in water two bottles of "wine" of excellent flavour are produced. The company made a proposition which should assist chemists to make up their mind to stock the article.

Artificial Legs.—The need for a strong, light-weight artificial leg, simple of design and low of cost, has been met by the Dureall Limb Co., 154 Pentonville Road, King's Cross, London, N. 1, who have recently placed a limb of this type on the market. The limb is composed of "duralumin," steel-jointed, and having the knee-joint encased in a gun-metal bush. Lubrication is easy, and there is no creaking. By the addition of a simple device just below the knee-joint, the leg can be used for almost any sport, car-driving, etc. A new type of foot dispensing with the ankle-joint is also under construction. These limbs are almost too light for those residing in a very windy district, owing to the difficulty of keeping the leg under control, but have many advantages over those at present in use. A demonstration of the leg and its uses was given at Anderton's Hotel, London, E.C., on October 20.

Lysolid.—Since we referred to this brand of solid lysol, which is sold by Pattinson & Mackie, Ltd., Albion House, 59 New Oxford Street, London, W.C. 1, we have received a sample of the preparation. Lysolid is in the form of a flat cake somewhat resembling transparent soap, and contains 50 per cent. of free cresols. Each cake is divided into sections, a 3 per cent. solution being made by dissolving one section in a pint of water. For general disinfecting purposes a 1 per cent. solution is sufficient, three pints of water being employed to each section to form a solution of this strength. Lysolid is packed for the home market in flat orange-coloured cardboard boxes. The company also ask us to direct attention to the special offer which is being made in our advertising pages. It holds good until October 30. One of the preparations included in the trial parcel is Quencholeen hot cup, which, with the addition of hot water, makes a beverage that should prove very acceptable in the winter season. Quencholeen is sold in packets (retailing at 2*d.*) or cartons containing thirteen packets at 2*s.* Showcards and window-bills are supplied with all orders.

Douche-cans.—Orme, Evans & Co., Ltd., Elgin Works, Wolverhampton, advertise douche-cans in this issue, these articles being a special feature of the company's business. As is probably well known, the pre-war supplies emanated largely from manufacturers in Central Europe, and these ceased on the outbreak of war. It was then that Messrs. Orme, Evans saved the situation, and in consequence are able in peace-time to supply white enamelled steel douche-cans superior to the pre-war articles. Enamelled bed-pans—both slipper and round patterns—and urinals are also obtainable from the company, who will be glad to send particulars of prices and terms of supply to wholesalers.



Anthrax-free Shaving-brushes.—Recent deaths from anthrax which has been traced to infected shaving-brushes lend special interest to the methods followed by British manufacturers to ensure that their articles are germ-free. An interesting demonstration in this respect was held on October 15 at the Culmak Brush Works, Holloway, London, N., when the process followed by T. W. Culmer & Sons was subjected to stringent tests by Professor R. T. Hewlett, bacteriologist, King's College. The bristle was arranged in a cabinet of perforated trays on which Professor Hewlett placed colonies of the anthrax organisms. A powerful germicide was then vaporised within the cubicle, and after an hour's treatment the gas effectively disposed of all micro-organisms. The process followed has the advantage that the bristle is quite unharmed. There is said to be a fair number of foreign brushes in this country, and to avoid all danger pharmacists should be careful to replenish their stocks with brushes of undeniable British origin preferably with a "free from anthrax" guarantee such as is carried by the "Culmak" shaving-brush. Messrs. Culmer's brushes are obtainable through wholesalers, and the profit is protected under the scheme of the Proprietary Articles Trade Association. It may be noted that hygienic principles are followed throughout in the "Culmak" brush, the handles being of porcelain instead of bone, which is liable to crack and form a collecting-ground for foreign matter. Rubber fittings protect the porcelain at its vulnerable points.

Zepto Window-display.—The illustration herewith shows the new Zepto window-display card sent out by

Thos. Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, and to which we referred in the *C. & D.*, October 16, p. 58.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

A/1910. Larcopline and Sarcopline.
Ne/2010. Caustic Balsam—a veterinary preparation.
N/2010. Ratmousine.
D/2110. Solidified embrocation.
R/1910. Endura toilet pumice block.
M/2010. Greenley's hypodermic products.
S/1910. Sullivan's copper amalgam.
B/2110. Bromo-heroin.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4

Ambriodin, C/1910
Bidet bed-pans, D/1410
Bronoo toilet-paper, B/1510
Camphylene cream, A/2010
Castor oil (for France), C/1210
Chinosol, P/1410
Crembas, J/910
Delectol, H/1910
Etabat clinical thermometers, M/210
Freer's lysol, H/1210
Hygex for artificial teeth, C/1810
McKenzie's sprayer, P/810
Nourry's tonic wine, L/1510
Pepsodent tooth-paste, T/2010
Permutit water softener, A/1510
Reliance hot-water bottles, S/1410
Smedley's chilli-paste, B/1910
Solyptol soap, T/1810
Spasmodin, T/1910
Weighing and filling machines (overseas inquiry), J/610
Wickered bottles and wickering, A/210

Like Old Times.—The public analyst for Paddington declares that, after forty years' search for sanded sugar, he has at last received two samples of moist sugar containing respectively 9 per cent. and 6½ per cent. of sea-sand.

Observations and Reflections.

By Xrayser II.

The Rising of the Trade

in opposition to the Proprietary Medicines Bill bids fair to rival that of last year against the by-law, and there is equal, if not greater, need of it. The menace to us is more direct and serious, nor does the fact that on this occasion the Pharmaceutical Society is with and not against us diminish the danger; I am, indeed, not sure that it does not increase it. A half-hearted or blundering defence is an added danger, and from all that appears the Council has been very slack in its efforts and mistaken in its methods. Its failure to approach the House of Lords during the Bill's initial stages (whether due to slackness or policy), and the insufficiency of the amendments it proposes, are proof enough that our interests are not safe in the Council's hands unless constant pressure and direction are kept up, and the difficulty of at once stimulating and keeping straight such a body is greater than that of independent action. Mr. Body deserves our warmest thanks for convening and for his conduct in the chair at the meeting in London, but it is to be hoped that the matter will not be left there. Little fault can be found with the recommendations forwarded to the Society; so far as they go they are admirable, but if anything was proved by Mr. Body it is that the Bill is a thoroughly bad one, badly inspired, badly directed, badly drawn. Mr. Skinner, too, showed this in his speech at the North London Association's meeting, and his suggestion that the Bill should be withdrawn is the only one that meets the case.

The Council

will not have the courage to press for this, even if Mr. Skinner could persuade his colleagues that it is desirable to do so, which is unlikely; nor would they have much chance of being heard if they did. They cannot well go any further in opposition to the Bill than those very inadequate amendments will carry them. Action must, as you suggested last week, be taken independently of the Council if the injustice of this Bill is to be prevented, and the only question is the means. The Proprietary Articles Trade Association and the Chemists' Defence Association are ready to our hand, and as the time is short that is a great consideration. If they (or either of them) would put themselves at the head of the movement something effective might be done. The support of the whole trade might confidently be counted upon; and whatever other result there might be, a great accession to the membership of these associations would be certain. In a sense they are fitter instruments for our purpose than the Council, being trade associations, which the Society is not; and the latter, if it had any political sense, would, in its present uncertainty as to its own powers, welcome their action. Let a sufficiently influential deputation visit the Minister in charge of the Bill, urging its suspension, at least until such a conference of experts as Mr. Skinner suggests has considered it; let each individual pharmacist meanwhile advertise his Parliamentary representative of its injustice, and the P.A.T.A. ask the trade for financial help towards a vigorous campaign against the Bill inside of Parliament and without. Mr. Bernard Shaw's declaration that the medical profession is a conspiracy against the public has never before been so strikingly illustrated as it is in this Bill. The public are really as much concerned as we, and it would not be difficult to arouse such indignation against it as would greatly help our cause.

The Voting

on the question of the election of new members—or, rather, on Mr. Wolff's amendment of the President's motion, at the last meeting of the Council of the Pharmaceutical Society—was significant. The four original protesters against the admission of non-examined men from the Apothecaries were reinforced by a notable addition—Mr. Parry. Mr. Parry has never, so far as I remember, thrown in his lot with the Progressives, but has been rather prominently on the side of the *non-possumus* party, if I may coin for them a name which indicates want of power rather than want of will to move forward as occasion demands. His accession to the Progressive ranks on this question seems to show that the feeling against retrogression at any rate is growing in the Council. Mr. Parry is emphatically a Liverpool man, and Liverpool is a centre of real live opinion. It would be satisfactory to know authoritatively that on this question Mr. Parry represents Liverpool opinion. Personally I have no doubt that he does; certainly he represents the opinion of the majority of pharmacists all over the country. It is a pity he did not speak his mind a little earlier, but better late than never.

The Suggested Teucer Combination

does not appear to me at all a crying want. It looks like an attempt to combat the evils of large corporate bodies by the formation of another corporate body. This may be the only way—a rather homœopathic sort of way—of preventing ourselves being strangled by the octopus, but we already have such a combination in Ucal, and I cannot see what more Teucer could do for us than Ucal already offers. Mr. Body admits that, although there is "plenty of scope" for the new body, it would interfere with Ucal at least to this extent, that members of the latter would have to choose between the two: it is, in fact, an invitation to them to do so. In other words, it appears, on the face of it, as inimical to Ucal as to Rexall. Now, I hold a brief for neither of these, but I incline to the opinion that one strong combination such as Ucal might be made would be a more effective defence against Rexall than two which were at mutual war.

Window-dressing

is of all subjects about the most in evidence in your general news columns of late, and the pending competition at Shepherd's Bush will probably keep it to the fore until this note appears. It is a purely personal note; but it has a moral. The other day I stumbled upon a chemist's window in the W.C. district of London that filled me with pure delight. It was a corner shop in a side street leading out of a great thoroughfare, and it had in fact two windows. Each was a large one, divided into small square panes, quite in the old style; each contained a row of smallish coloured carboys and (I believe) a specie-jar or two. The windows were scrupulously clean; they contained a variety of things sold only by chemists, all fresh and nicely arranged on shelves, and nothing else, except a row of pocket and other cameras. I was strongly impelled to go in and congratulate the chemist, but a glance through the door showed me that business was brisk, so I merely congratulated myself upon having found once more an unmistakable chemist's shop.

Mr. Robert Gladstone

makes a good defence in the current number of "Notes and Queries" of his etymology of "Liverpool," and such of your readers as are interested in the subject should read what he says in reply to Mr. Harrison's objections. Probably most readers will find them convincing, but the question is one for experts, and to them it is wisest to leave it. Suffice it to say here that the old notion of a bird called the "liver" which gave its name to the place is now completely discredited. A patriotic Liverpool chemist many years ago brought out a "liver sauce," and was very proud of the name until I pointed out to him that bullock's liver had recently been suggested as a common source of one of the ingredients of such sauces. He made haste to re-christen his, though this involved the destruction of all his labels and other "literature." After all, there *is* something in a name.

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Editorial Articles.

The Swollen Register.

The announcement in this issue of the results of the Qualifying examination held in Edinburgh this month completes, with a few possible exceptions, the additions to the Register of Chemists and Druggists for the current year, and renders it possible to survey, in the cold light of statistics, the outlook for the newly qualified. It may be remembered that at the time of the passing of the National Insurance Act we had occasion to tabulate examination results back to the year 1870 (*C. & D.*, II., 1911, p. 287; II., 1912, p. 291; II., 1913, p. 248). From one of these summaries we have adapted the following table in order to show, for purposes of comparison, the number of students qualifying in every fifth year:

Year	Candidates Examined	Candidates Passed	Pass Percentage	Pass Average
1870	316	226	72	316
1875	285	141	50	369
1880	653	311	49	369
1885	955	351	37	369
1890	1,157	524	46	369
1895	1,304	447	35	487
1900	1 889	548	29	487
1905	1,298	468	36	445
1910	1,027	407	40	445
1915	979	462	47	293
1920	—	1,308	—	—

The percentage of passes during the present year, so far as we have been able to ascertain, is just below 40. It may be explained that the average of passes adopted in the last column of this table is one used by us in 1913 when dealing with changes made, from time to time, in the character of the examination, with the addition of a line for the war years 1915-18 inclusive. If we add to the total for these four years the number of passes in October 1914 (71), the aggregate number of chemists and druggists qualifying during the whole period of the war is seen to be less than the number added to the register this year. It is necessary to widen the scope of our survey by inquiring what ratio (1) the normal annual increase and (2) the present year's increase in the number of

chemists and druggists bear to the increase in the population of Great Britain. If we take the three decades ending on December 31, 1918, the respective increases are as follows :

Year	Population : England, Wales, and Scotland	Number on Registers	Increase in 10 years	Proportional Number	Excess or Deficiency
1888	32,079,659	13,812	—	—	—
1898	35 862,314	15,473	1,661	15,440	+ 33
1908	39.739,155	15,967	494	17,113	—1,146
1918	38,361,000	16,560	593	16,516	+ 44

The "proportional number" in this table refers to the figures that would have been found on the respective Registers had the increase in the number of chemists and druggists gone on *pari passu* with the increase in the population. The fact that in three out of the four lines of the table the ratio is almost exactly the same renders the comparison a reasonably safe one; and it is not materially affected by the circumstance that in each case there is an interval of six months between the date chosen by the Registrar of the Pharmaceutical Society and that adopted by the Registrars-General for Great Britain. At the present time there are, after deducting, by way of estimate, three-fourths of last year's erasures through death and other causes, about 17,720 names on the Registers of Pharmaceutical Chemists and Chemists and Druggists. A simple calculation shows that the population of Great Britain, at the same rate of increase, should now, in round numbers, be 2,500,000 more than in 1918. Although exact figures are not available, the increase may, for various reasons, be estimated at not more than 1,000,000. The tables that we have just given show, incidentally, that the President of the Pharmaceutical Society rather overstated the position in saying (*C. & D.*, October 16, p. 65) that the number qualifying in twelve months was now "something like 1,500 to 2,000." It will be seen that the scarcity of qualified chemists, caused by the war, has already been overcome, but it must be borne in mind that the change in the character of the chemists' business during the past decade has probably brought a much greater demand for qualified men, so that there is hope that all the newly-registered men may yet be absorbed in pharmacy. Meanwhile there are estimated to be about a thousand qualified chemists without berths.

The Break in Linseed Oil.

Amid the recent *débâcle* in seed-oils, one of the most striking features is the renewed slump in the price of linseed oil, which proved to be the bell-wether in the general downward movement in all kindred products. The collapse, of course, has aroused but little surprise, not only because some reaction had been expected from the remarkable firmness which prevailed over the latter part of the summer, but in view of the growing labour unrest and consequent disturbed industrial conditions on both sides of the Atlantic. The general slump in the produce markets under increased stocks and financial stringency has caused trade demands in all directions to be curtailed to the smallest possible dimensions, and in view of the considerable amount of speculation which was indulged in in regard to linseed oil recently, it is obvious that the wave of deflation has had its full reflex in the leading vegetable oil. The fact deserves particular notice that the price of this product had already declined about 5*l.* per ton below the lowest point that was recorded towards mid-June this year, when sales of spot oil were made in this market down to 74*l.* per ton. Some allowance should perhaps be made for the additional restraint upon the trade demand caused by the disastrous results threatened in all industrial branches by the coal-miners' strike. The weakness of the market was, however, at the outset, more especially due to a sharp drop in linseed in consequence of the more comfortable position of crushers as to their supplies and the prospect of ample crop resources to carry them well into next season. It is true that the imports into the United Kingdom for the nine months ended September 30, totalling 260,270 tons, show the considerable deficit of 140,000 tons, compared with the corresponding period of last year. The contribution from the Argentine was 152,097 tons, against 135,900 tons in 1919, while only 85,352 tons came in from India; but it may be pointed out that not much more than one-fourth of the export surplus of this season's Indian crop has been accounted for in the past nine months, so that heavy supplies have yet to be expected from this source apart from the balance of the last Argentine crop. America's absorbing power in regard to Argentine seed has practically ceased for the present to be an important factor; while her needs from this source have already been well covered, she can now rely to a large extent on completing her requirements by drawing on her own resources and supplies from Canada. So far as the outlook in raw material is concerned, there need be no apprehension on the part of the crushing industry for the remainder of this season and well into the early months of the new season. General trade prospects, on the other hand, are not what they should be at this period, partly owing to adverse financial conditions, and therefore the reluctance of the manufacturing trades to commit themselves much in excess of near requirements is apparent. There is, of course, urgent need for a reduction in the cost of living, and this can only be brought about by further deflation in commodity prices. Recent happenings in that direction on either side of the Atlantic became so marked that there is not much enthusiasm on the part of the merchant trade in retaining or acquiring fresh stocks until there is indication of more healthy conditions being established. There is thus reason for assuming that the downward movement in linseed oil and similar products will go further eventually, and prove of a permanent character. The price-records given below of extreme points seen since the end of May last give an approximate idea of the wide range of values obtained both in linseed and the by-product :

	May 31	Mid-June	Mid-Aug.	Mid-Oct.
Calcutta seed, per ton	43*l.* 10*s.*	40*l.*	40*l.*	35*l.* 10*s.*
Plate seed ..	40*l.* 10*s.*	35*l.* 10*s.*	38*l.* 10*s.*	31*l.* 10*s.*
Linseed oil ... spot	99*l.*	74*l.*	83*l.*	67*l.* to 68*l.*

These figures are interesting and show that while the cost of seed has, since the end of May, declined by 8*l.* to 9*l.* per ton, the price of London spot oil within the same period has been cheapened to the extent of well over 30*l.* per ton. The reduction in the price of the by-product would thus appear to have been comparatively greater than in the case of the seed. This is indicative of the marked want of confidence in the stability of the market in linseed oil, especially under present abnormal and disturbed trade conditions. In spite of the appreciable fall from the level of prices recorded at mid-June, when forward oil stood at a discount of 2*l.* per ton, compared with spot delivery, the discount has now widened to nearly 4*l.* per ton. The supply actually available, however, is understood to be only relatively light, but the export demand has fallen off distinctly, due to the fact that the make of Continental oil has been steadily

increased in the course of this year, while the United States is well supplied with both Argentine seed and the oil-product. When the home labour disturbances subside, and manufacturers regain confidence, a better demand will probably come forward again, but the outlook, nevertheless, favours the establishment of lower prices. The North American linseed crops promise well, and the Canadian yield may turn out double that of last year, while the last River Plate crop was the largest on record, although the acreage for the coming crop is stated to have been reduced by 10 to 20 per cent. The proportion of this prospective crop that will be diverted to the United States next year is expected to be much smaller than that of the last crop. Owing to the virtual failure of the American crop last year, American crushers in the current year have had, of course, to depend very largely on imports from the River Plate, but precisely the reverse is looked for in 1921.

More Colloid Chemistry.

The third report on colloid chemistry published by the Department of Scientific and Industrial Research appeared this week, in which is given an account of the work accomplished during 1919 by the Committee of the Chemical Section of the British Association. The second report, to which we referred in the *C. & D.*, 1919, p. 542, contained an interesting account of colloid chemistry in physiology. The present volume is a continuation of the articles appertaining to the industrial applications of colloid chemistry. The first paper is in the nature of a preliminary survey of the colloidal properties of soap solutions, and has appended to it a useful list of references to investigations the results of which have been published. In another series of articles dealing with the imbibition of gelatin the author incidentally refers to the annoying reticulation of the surfaces of negatives which photographers sometimes experience, particularly when fixing and washing negatives during hot weather. This is due to the fact that when sheets of gelatin swell or contract slowly they undergo a change in volume but not in shape. On the other hand the gelatin on a negative must undergo a change in shape since one face is held to the plate. So long as the amount and rate of swelling are not great, no trouble is experienced, but when the swelling is excessive, due to higher temperature or to chemicals in the fixing bath, the upper surface of the gelatin will have an area so much greater than the lower surface as to cause puckering. A second cause is the presence in the solution with which the plate is treated of both swelling and contracting agents. Reticulation is readily produced by immersing the plate in a solution containing acetic and tannic acids, the former tending to swell or soften the gelatin, the latter to contract or harden it. Colloid chemistry in photography is also the subject of an article by Dr. R. E. Slade, director of research for the British Photographic Research Association. A paper dealing with the colloid chemistry of petroleum states incidentally that petroleum jelly appears to be an emulsion of soft paraffins dispersed in heavy oils. The viscosity increases gradually with decreasing temperature until the gel state is attained, without, however, any separation of crystalline wax, but on being distilled, wax appears in the distillate. Various artificial jellies are on the market, compounded of soft wax and heavy oil, and these are inclined to deposit crystalline matter on being cooled and do not possess the salve-like nature of the natural product—*i.e.*, the material obtained from a suitable crude oil by distilling off the lighter compounds and decolorising the residue, usually by filtration through fuller's earth. A further reference in the same article is to the manufacture of lubricating greases, these being examples of oil-water emulsions stabilised by soap. Common sodium soaps are used for motor greases, and the proportions are: lubricating oil (sp. gr. 0.900-0.910), 80 parts; stearic acid, 15 parts; and caustic soda, 2 parts. Part of the oil is mixed with the stearic acid, and this is added to the soda in 40 per cent. aqueous solution, with constant agitation. The remainder of the oil is then incorporated. Cheaper greases are compounded with lime soaps. One of the largest papers in the report deals with clays and clay products and ends with a reference to the use of colloidal clay as a soap in wool scouring. It is stated to absorb dirt and grease and to be capable of removing unsaponifiable oily substances. Clay soap has, however, the disadvantage that it does not possess solubility and does not hydrolyse like ordinary soap, these properties being important in regard to detergent uses. A fourth report is promised by the Committee.

The Optical Industry.

"The Times," referring to German competition in the optical industry, states that, by taking advantage of the current rate of exchange, German makers are offering prism binoculars and other instruments at less than the cost of manufacture in this country. As the binoculars are offered in large quantities, two recent propositions put forward by agents on behalf of German principals, having been concerned with 15,900 pairs in one case and 9,000 pairs in another, it is believed that a deliberate attempt is being made to strangle an industry which during the war was carefully and successfully developed in Great Britain. Microscopes are also being offered, and sold to the detriment of the English makers, but up to the present the Germans have not succeeded in getting back with their camera lenses, partly because there is no great demand for these separate from cameras. It is asserted that the quality and finish of the German goods show a decided deterioration from the pre-war standard, and their chief appeal to the purchaser is that of cheapness. But for the operation of the exchange British manufacturers feel that they could win "hands down" in competition for the market.

Dangerous Drugs Act, 1920.

The regulations to be made under the Dangerous Drugs Act are not yet published. Meanwhile, "The Hospital" calls attention to the difficulties that will be experienced by hospital pharmacists in obtaining supplies of the drugs covered by the Act. The matter was referred to in the report of the Council meeting of the Pharmaceutical Society recently. "The Hospital" thus explains the difficulty:

The position of pharmacists engaged at public institutions under the above-mentioned Act is at present very ill-defined, for whilst the statement is made that regulations *shall* provide for "authorising" any person who lawfully keeps an open chemist's shop, no mention is made that qualified pharmacists, as such, will be authorised persons to keep and distribute, under medical prescriptions, the drugs mentioned in the Act. Unless a definite assurance is given that institutional pharmacists are to have equal rights with their colleagues in retail business, it would seem necessary for every institutional pharmacist to take out a licence.

It will be remembered that when the Cocaine and Opium Regulations were made under the Defence of the Realm Act the same anomaly existed, for, under that Act, pharmacists carrying on *retail* business were "authorised" persons, whilst their hospital and institutional colleagues, with an equal qualification, were acting illegally in dispensing preparations of cocaine. The absurdity of the position was made evident to the Home Office, who made the regulations, and a general licence was promptly issued making persons "duly qualified under the Pharmacy Acts and who were engaged at public institutions" authorised persons under the Defence of the Realm Act.

The Miners' Strike.

Failing to arrive at an understanding with the Government on questions of wages, the miners of the country came out on strike at the conclusion of their shifts on October 16. In the following paragraphs we give a few particulars of immediate interest to the drug-trade :

Appeal to Manufacturers.

In the course of a message to the nation, signed by the Prime Minister and dated October 16, the following passage occurs :

"Every manufacturer can help his workmen by making his supplies of coal last as long as possible. There should be no cessation of employment until that misfortune cannot longer be avoided, and, above all, the people should remain calm and deal with emergencies as they arise."

Food-rationing Orders.

Two Orders issued by the Food Controller have the effect, respectively, of reducing the sugar ration for each person from 12 oz. to 8 oz. a week (4 oz. in a hotel after a five-nights' stay), and of prohibiting the acquiring of more than one week's supply of any foodstuff. No retailer may knowingly supply any foodstuff in excess of the authorised quantity.

Use of Coal in Business.

Part III. of the Coal Emergency Order, issued by the Board of Trade, provides that the consumption of coal in factories, workshops, or other business premises shall be restricted so that not more than 50 per cent. of the weekly average quantity of coal consumed in the four weeks last preceding October 16 may be consumed in any week after this date. There is a concession, similar to that quoted below in the "Lighting, Heating, and Power Restrictions" section, in favour of those whose consumption may, during the four weeks mentioned, have been abnormally low.

The expression "business premises" includes any shop as defined in the Shops Act, 1912, and any premises or part of any premises exclusively used for the purposes of any profession, trade, employment, or vocation.

The Secretary for Mines, or any person duly authorised, shall have power to enter any premises for the purpose of inspecting or ascertaining the quantity of coal, and to take possession of all or any stocks of coal, and to direct their distribution.

Any person who contravenes any of the provisions of this Order, or who neglects or fails to comply with any requirement or obligation imposed on him by, or in virtue of, this Order, shall be guilty of a summary offence against the Defence of the Realm Regulations. The expression "person" in this Order includes any body of persons, whether corporate or unincorporated. Local authorities may take any action, including the prosecution of offences, which may be deemed necessary.

Lighting, Heating and Power Restrictions.

The Lighting, Heating, and Power (Emergency) Order, 1920, also issued by the Board of Trade, provides that such public lamps as the chief officer of police directs to be kept in use for the public safety shall be maintained. All lights of the following classes and descriptions shall be extinguished and shall not be lighted at any hour :

(1) Sky-signs, illuminated facias, illuminated advertisements, and other lights used on, in, or about any premises for the purpose of advertisement or display.

(2) Lights used inside any shop for the purpose of advertisement or display when the shop is closed for serving customers.

It is understood that lights must not be used inside or outside for the illumination of windows. Inside lights necessary for the actual conduct of trade may be used while the shop is open, but must be extinguished when the shop is closed, unless the police authorities otherwise direct.

Where gas or electricity is required for power in any premises within the scope of the Coal (Emergency) Order, its supply and use shall be restricted so that not more than 50 per cent. of the weekly average quantity supplied or used for power in the four weeks preceding the date of the Order shall be supplied or used in any week after that date, except where it is shown that that weekly average does not afford a fair criterion of the quantity normally supplied, when regard may be had to the quantity used or supplied during the week in 1919 most nearly corresponding in date to that in which power is required. Where it is deemed by a local authority to be expedient in the public interest to do so, the percentage may be increased, such permit to be in writing and to specify the extent to which the percentage may be increased. The local authority, or its duly authorised officer, may direct that any supply of gas or electricity in any premises be diminished or cut off where there is reason to believe that the supply is being abused or used in excess. Those responsible for the management of an industry or business shall furnish to the local authority, if required to do so, a complete statement showing what quantities of gas and electricity respectively were supplied or used for power in such premises during any period or periods as to which information may be required.

Contravention of the provisions of the Order will constitute a summary offence against the Defence of the Realm Regulations, and local authorities or the Secretary for Mines have powers to prosecute.

Festivities.

Wolverhampton Chemists' Whist-drive.

A successful whist-drive was held by the Wolverhampton Chemists' Association, at the Victoria Hotel, on October 14. The ladies' prizes were won by Mrs. Oakley (given by Mr. Bowdler), Mrs. Dunn (Mr. Hodge), and Miss Hodge (Mr. Hagyard). The gentlemen winners were : Mr. Trotter (given by the President), Mr. Hudson (Mr. Trotter), Alderman Johnson (Mr. Scholefield).

Women Pharmacists' Whist-drive.

The London Group of the National Association of Women Pharmacists opened the session with a whist-drive and social in aid of the Pharmaceutical Society's Benevolent Fund at the Arundel Hotel, Strand, on October 13. There was a large attendance of members and friends, and an enjoyable evening was spent. Mrs. Keith, who was present with Councillor Keith, presented the prizes. The concert programme was contributed to by the Misses Bayley and Blackwood, Dr. Braithwaite, and Councillor Keith. This was the first whist-drive run under the auspices of the Women Pharmacists' Association.

Leeds Chemists' Smoking Concert.

The winter session of the Leeds Chemists' Association was opened on October 13 by a smoking concert at the Hôtel Métropole. Mr. H. Gilleghan (President) occupied the chair. Mr. Gilleghan stated that the printed syllabus of the session will be in the hands of members within a few days. An evening of entertainment was greatly enjoyed, songs being contributed by Messrs. E. Soar (Erasmic, Ltd.), H. C. Senior, H. Stringer, Baxter, and Peters. Mr. E. Broadhead (Batley) gave some character sketches, and Mr. J. H. Beacock, the Association's veteran Vice-President, contributed recitations from Dickens, etc. Mr. E. E. Haslegrave (junior Vice-President) was the accompanist.

London (S.E.) Chemists' Whist-drive.

The South-Eastern Chemists' Association held a successful whist-drive at the Unitarian Hall, High Street, Lewisham, on October 14, when over 100 members and friends were present. Mr. C. H. Siddle (President) acted as M.C. The prizes were won by Mesdames Barter, Soames, Stopher, and Foulsham; Messrs. Plummer, Happold, and Heard; and Miss Cox. An excellent musical programme was contributed. The Galen Manufacturing Co., Ltd., and Newbery & Sons, Ltd., supplied additional prizes, while the ladies greatly appreciated the chocolate provided by Allen & Hanburys, Ltd

The Proprietary Medicines Bill.

The following is a critical analysis of the provisions of the Proprietary Medicines Bill as amended in Committee of the House of Lords, together with suggestions for amending the Bill.

The Memorandum.

If the memorandum circulated with the Bill (*C. & D.*, July 31, p. 51) is examined, it will be found that the subject-matter goes beyond the title, and that Clause 2, built on the Venereal Disease Act, 1916, is interpolated for the express purpose of dealing with all medicines usually used in the *prevention or relief* of certain specified diseases, the list of which may be extended by the Minister subject to sanction by resolution of both Houses (Clause 2, lines 25-32).

The memorandum affirms that it contains no provision not specifically recommended by the Select Committee on Patent Medicines (*C. & D.*, October 16, p. 55).

Paragraph 2 of the memorandum states :

The Committee recommended that the advertisement and sale of certain medicines (except by doctor's order) purporting to cure a scheduled list of diseases be prohibited.

The Bill, however, inserts "prevention" and "relief" in addition to the word "cure." Moreover, it adds to the schedule of diseases "amenorrhœa and other diseases peculiar to women."

There was no recommendation whatever in the report of the Select Committee on this latter point, since, apart from abortefacients, only such diseases as are dealt with under the Venereal Disease Act, 1916, were reported on, and abortefacients are expressly included in this Bill, Clause 2 (2).

It is obvious that the memorandum contains a misstatement, and judging by the repetition of the words "prevention" and "relief" in Clause 2 (1) and Clause 3 (*a*), the inclusion is intentional.

The schedule also has been tampered with, as mentioned in the *C. & D.*, October 16, p. 6.

It is somewhat unusual to find inaccuracies of this nature, likely to mislead the Legislature, in the memorandum to a Bill.

We now classify the provisions of the Bill with a view of making the position clear.

Penalties.

The Bill creates two degrees of offence; the one a misdemeanour with a maximum penalty of 500*l.* or twelve months' imprisonment, or both, under similar circumstances as the Venereal Disease Act, 1916, the other offences in the Bill involving a maximum fine of 50*l.*, or 5*l.* daily for continuing the offence after conviction (Clause 8). Disclosure by the Registrar from the formula book brings him within the misdemeanour penalty (Clause 4 (7)).

Definitions.

The term "medicine" is defined as any drug, preparation, or compound of any description whatsoever to be used externally or internally for the prevention, cure, or relief of any malady, ailment, infirmity, or disorder affecting human beings (Clause 10).

The only place where the term is used without a further limitation is in Clause 2, line 15 (see below).

"Proprietary medicine" is defined as any medicine (see above) held out by advertisement, label, or otherwise for prevention, cure, or relief of any ailment, etc., or sold under a trade-name or trade-mark, or which claims or purports to have exclusive rights in manufacture, or claims any secret, etc. (Clause 10 (*a*)).

It is not sufficient for the formula to be a known one. If the article is branded, the use of the preposition "or" is significant, and such known, admitted, and approved remedies as bear a trade name or brand-mark must needs be registered. The application of the term "X. Y. Z. Series," according to this definition, is sufficient to denote exclusive rights in manufacture, and must needs be registered or changed into a style not claiming such rights.

"Proprietary surgical appliance" is defined as any instrument or contrivance of a medical or surgical nature sold under a trade-name or trade-mark where a person claims or purports to have the exclusive right of making or selling — to be used for curative purposes (Clause 10, line 9).

This definition is very restrictive, but excludes such common medical appliances as syringes, etc., even if they have a name attached, as at the best they cannot be held to be part and parcel of the cure; they are simply the means of applying the cure. It should be noted that Clause 2 (2) refers to "any article."

The Major Offence, Clause 2.

The contravention of this section is a misdemeanour. It covers sale, offer, or advertising for sale of articles for the prevention, cure, or relief of (1) cancer, (2) consumption, (3) lupus, (4) fits, (5) epilepsy, (6) amenorrhœa and other diseases peculiar to women, (7) diabetes, (8) paralysis, (9) locomotor ataxy, (10) Bright's disease. And furthermore the Minister of Health asks for power to add to the schedule (*see* Minister's Powers).

Leaving out No. 6, it is a pretty bad lot of diseases, and the Select Committee were on sure ground in recommending the prohibition of "cures," but "prevention" or "relief" is obviously a wicked attempt to foist on Parliament, under cover of such a list, the worst evils of the Venereal Disease Act, 1916, which will most certainly have to be repealed before this disease can be got under control. As for No. 6, it is so widely phrased that no Parliament of thoughtful men would ever tolerate the amount of suffering that must be endured if the sale of medicine for prevention, cure, or relief were logically carried out.

Clause 2 (2) deals with abortion or miscarriage, extending the present law so as to cover printing, publishing, or distributing, or being concerned in any way in printing, publishing, distributing any advertisement or communication relating to any article as is likely to suggest, etc.

This carries out the recommendation of the Select Committee, and should not be confused with the other part of the clause, which exceeds it.

Things the Bill Forbids.

1. It is forbidden to manufacture or prepare for sale, unless the owner and deputed manufacturer, in case there is one, or agent in this country for externally owned proprietaries is registered (Clause 1 (1*a*)).
2. It forbids the manufacture or preparation for sale of unregistered proprietary medicines or appliances (Clauses 1 (1) and 1 (1*b*)).
3. It forbids the compounding save in the specified proportions, or the appliance corresponds with that deposited with the registrar (Clauses 1 (1) and 1 (1*c*)).
4. It forbids the sale, offer for sale, or to have in possession for sale unless registered and bearing the assigned number (Clause 1 (2) *see* Protection for Chemists).
5. It forbids any advertisement soliciting, or inviting, or by other means any person suffering or believing himself suffering from any ailment to enter into correspondence regarding such ailment (Clause 3 (*a*)).
6. It forbids the offer of return of money if it fails to cure, relieve, or prevent (Clause 3 (*a*)).
7. It forbids fictitious or misleading advertisements (Clause 3 (*b*)).
8. It forbids the claim of medical recommendation unless name and address, if living, is given (Clause 3 (*c*)).
9. It forbids the statment that it was discovered or invented by a doctor if contrary to fact (Clause 3 (*d*)).

The Minister's Powers.

The Minister of Health will have power

1. To prosecute any manufacturer who varies the ingredients or proportions from those in the register (Clause 1 (3)).
2. To add to schedule of diseases, subject to specific resolutions in both Houses (Clause 2 (1)).
3. To form and keep a register including formula-book, owners, and surgical appliances (Clause 5 (1)).
4. To publish anything save contents from formula-book (Clause 5 (1A)).
5. To appoint a suitable person as registrar (Clause 4 (3)).
6. To remove any medicine or appliance he thinks likely to be injurious to health by giving three weeks' notice, subject to appeal to the courts, if the aggrieved person thinks fit (Clause 6).
7. To make governing regulations, subject to Parliamentary sanction (Clause 5).

The Regulations.

Clause 5 gives power to make regulations for the following purposes :

a. Formation of register.
b. Application and fees.
c. Causes and manner of removal.
d. Enabling particulars to be amended and re-registration.
e. Enabling the Minister to make any regulations to carry out the provisions of the Act.
f. Name or description under which the medicine is offered or advertised for sale.
g. Synthetic drug as a proprietary to have chemical name on label and on every advertisement.
h. To assign an official number.
i. Prohibiting reference that an article is registered in any other way than stating the number.
j. The owner to give prescribed particulars about deputed manufacture.
k. Prohibiting registration unless full details are given, with alcoholic strength, if any.
l. For poisonous ingredients, if the Minister so thinks fit.
m. Where alcoholic strength is beyond solvent nature required.
n. Deposit of surgical appliance.
o. Prohibiting the claim of any therapeutic property save those registered.

Protection Given by the Bill.

For Doctors and Dentists.—The sale of any medicine or appliance in accordance with a prescription given to that person by doctor or dentist shall not be unlawful. (Clause 9 (*a*).)

For the Chemist.—That the sale of any medicine or appliance proved by the vendor to be bought before July 24, 1920, shall not be illegal. (Clause 9 (*b*).)

For the Deputed Manufacturer.—The Minister alone can prosecute in case of unauthorised variation from the registered details. (Clause 1 (3).)

For the Owner.—After three weeks' notice an appeal to the High Court, the decision of which shall be final. (Clause 7.)

Regulating the Registrar.

1. It shall be a misdemeanour to disclose anything from the formula-book unauthorised. (Clause 4 (7).)
2. Without the consent of the owner, the Registrar cannot disclose the formula in Court. (Clause 4 (5).)
3. In an appeal by an owner to the Court the disclosure can be made. (Clause 4 (5).)
4. A certificate shall be evidence of registration in the Courts. (Clause 4 (6).)

Recommendations of the Select Committee.

These were printed in the *C. & D.*, October 16, p. 55, but the following do not appear in the Bill :

Par. 6. No provision is made for the control of the statements made by Government analysts.

Par. 7. No special court or commission with power to prohibit in the public interest. This recommendation is converted from a judicial body to a political one.

Par. 13. That an annual fee be payable in respect of every registration-number issued. Power is asked in the Bill for a fee, but whether it is to be annual or otherwise is left open for the Minister.

Further, that the Stamp Acts be consolidated and amended to remove the numerous existing anomalies and unreasonable exceptions. In this connection, pure drugs vended entire under a fancy name should no longer be exempt from duty; the distinction between the name of an ailment and the name of an organ the seat of that ailment should be abandoned; and the exemption of medicines generating carbonic-acid gas should be omitted.

Further, any reference in advertising matter to the Government stamp should be prohibited, and no name of a proprietor or firm should be printed on the stamp.

Forewarned should find chemists forearmed.

The Committee recommended medicines purporting to cure as being prohibited for certain diseases, not prevention or relief.

That the period of validity of a name used as a trade-mark for a drug be limited.

One recommendation has already been rejected in the House of Lords, viz. : to make it a breach of law to enclose with one remedy printed matter recommending another remedy. The requirements regarding deafness and rupture in the schedule of diseases have, by the House of Lords, been restored to the original recommendation of the Select Committee.

SUGGESTED AMENDMENTS.

The question arises whether it is worth while trying to amend a Bill which shows such a trait of insincerity as pointed out in the memorandum. The evils of self-medication are being grossly exaggerated by the introducers of the Bill, and, as they were before the Select Committee in 1914, by interested parties. Three striking evils were shown to exist :

(1) Treatment by correspondence.
(2) Advertising cures for such diseases as cancer.
(3) The sale of abortefacients.

To devise remedies for these three evils would unite all men interested in the welfare of the nation. The rest of the recommendations are provocative and foolish. *The evils mentioned are not, however, seriously affected by the Bill.*

1. Clause 3 is not operative unless the person selling is the owner or vendor of a proprietary medicine. Some "disinterested" person can do all that a man as a vendor or proprietor cannot do.

2. Incurable diseases : The day of gross charlatanism is rapidly passing; education is doing and will do much more than any Act of Parliament to remedy this evil. The question naturally arises, could not offenders be proceeded against under the present law?

3. Abortefacients : The sale of these is covered by the present law, yet such articles flourish in certain districts. This Bill deals only with the printed matter on the subject, but "gossip" and "verbal communication" are the two main channels by which this knowledge is spread, and no law can save us from that evil.

A conference of experts on the principle of the Bill is a much better method of settling these difficult points than pressing it forward in its present unsatisfactory state.

Points of Resistance.

If the Bill is pressed forward, attention should be paid to the following points :

The Memorandum.—Republish the Bill and make the memorandum accurate.

Definitions.—That of proprietary medicines is too wide; it would make it illegal to sell "Jones' Chilblain Cure" unless it were registered, which is obviously absurd.

The Major Offence.—"Prevention and relief" should be eliminated. "Distribution" should be removed from Clause 2 (2).

Prohibitions.—The deputed manufacturer should be taken out of the Bill entirely, and the owner made solely responsible. Variation of proportions should be permissible merely on official notification without re-registration. The formula if demanded should be of the main ingredients only, with a declaration on any potent drugs which would meet all needs. The section on return of money is stupid and should be deleted. The clause on treatment by correspondence needs re-drafting.

Minister's Powers.—The Minister should have power to prosecute owners but not deputed manufacturers. The additions to the schedule should only be made after advice by a consultative committee under judicial authority. The Minister's power to publish anything save the formula-book should be clearly defined as to its meaning before conceding such a point. His power to remove medicines from the register should be exercised only after a consultative committee under judicial authority had investigated. His power also to make regulations should be under the guidance of representatives of responsible bodies. Finally, the exemption applying to prescriptions should also apply to household remedies.

It will be seen that there is sufficient ground for re-drafting the whole Bill, and with it the schedule of diseases, so as to bring it within reason. The restrictive method of the Venereal Disease Act is wrong in principle, and no mock-modesty should stand in the way of the application of common knowledge which is common sense.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bury.—Statistical data supplied to the Bury Pharmacists' Association, at a meeting on October 14, by the clerk to the Insurance Committee showed that for the half-year ended June 1920 the number of prescriptions dispensed was 28,405, at a total cost of 1,161*l.* 9*s.* 6*d.* Dispensing-fees amounted to 601*l.* 18*s.* 8*d.*, with an average dispensing-fee of 5.09*d.*, the average total cost per prescription being 9.82*d.*

London.—A meeting of the Pharmaceutical Committee was held on October 12, at which Messrs. Melhuish, Barnard, and Keall were appointed as representatives on the Pharmaceutical Service Sub-Committee. The reports of the Finance and Pharmaceutical Service Sub-Committees were received. In the report recently issued by the secretary of the Insurance Committee, reference is made to the fact that an instruction has been issued by the Ministry of Pensions for the discontinuance of the use of the present mist. simarubæ. The Pharmaceutical Committee was informed that the London Insurance Pharmacópœia was issued to all practitioners on the Committee's medical list on September 9. All prescriptions dispensed from that date will be priced accordingly. Further investigations are to be made regarding late surgery hours.

Sheffield.—A meeting of the panel chemists was held on October 15. Mr. J. T. Appleton, who presided, made sympathetic reference to the death of the late chairman, Mr. J. Chadwick. A letter was read from the Ministry of Health relating to the term of office of Pharmaceutical Committees. After discussion it was decided to recommend that the period of office should be for two years. A discussion took place on a request from the Pharmaceutical Committee asking chemists to refrain from exhibiting in certain doctors' surgeries their hours for Insurance dispensing, and it was decided to support the Committee's request. In view of the increased average cost per prescription, it was agreed that the Pharmaceutical Committee should ask for a monthly payment on account of 6*d.* per script. The Malaria Clinic Prescription Pricing Bureau have asked chemists dispensing repeat mixtures to state the exact amount of drugs supplied. Some system was to be established by the Society for checking the pricing of clinic dispensing. The chairman placed before the meeting the annual report and balance-sheet. He pointed out that the estimated increase of pay for 1920 would be 2,374*l.*, *plus* the pricing to one decimal point. The ratio of the present tariff compares favourably with the previous one. An application had been made for full dispensing-fees for stock mixtures, with which the Insurance Committee are willing to agree, but up to the present the Minister of Health refuses his sanction. A further appeal is to be made. The Committee's expenses worked out at 1.6 per cent. for the year. The annual report shows that during 1919 357,579 scripts, representing 407,878 prescriptions, cost 11,854*l.* 10*s.* The average cost for ingredients was 3.22*d.*, dispensing-fees 3.72*d.* Sanatorium-benefit prescriptions, of which 2,743 were dispensed, had an average ingredient price of 8.22*d.*, dispensing-fees 3.61*d.* The Central Checking Bureau scrutinised scripts to the value of 1,260*l.* 3*s.* 10*d.*, which showed a net value of errors of 0.10 per cent.

Southend-on-Sea.—A meeting of the Pharmaceutical Committee was held on October 8, Mr. F. H. King in the chair. The secretary read the Local Associations Executive and Checking Bureau reports, which were adopted. The revised pricing scale for homœopathic prescriptions was approved. The secretary reported as to the term of office of present members of the Pharmaceutical Committee, which had been extended under the new regulations to December 31, 1920. A communication from the Local Associations Executive relating to terms and conditions of dispensing prescriptions issued by the malaria clinics was read by the secretary.

Wolverhampton.—Statistical data of prescriptions dispensed in the area for the quarter ended June 30 have been issued as follows :

No. of prescriptions	19,977
Average ingred. price	5.66*d.*
,, disp.-fee	4.97*d.*
,, total cost per insured person ...	6.59*d.*

SCOTLAND.

Renfrew.—The clerk to the County Insurance Committee has issued a letter stating that the Committee has been noting with some alarm the heavy drain upon the drug fund, as evidenced by the monthly drug bill totals, and it was their view that for the second half of 1920 a payment to account should be made, to be followed at the end of the year by a final settlement of outstanding balances. The Board of Health, however, consider that in the meantime the Committee should continue to pay chemists' accounts in full.

Stewartry.—At a recent meeting of Stewartry Insurance Committee a report was submitted by the Panel Committee in regard to the cost of prescribing by certain panel doctors. The Committee concluded that no excessive prescribing had taken place. They, however, called attention to the increased cost of drugs and appliances, the increased dispensing-fee to chemists, and advances being made in treatment; and considered it would be necessary largely to augment the present Drug Fund, as otherwise it would be unable to meet its obligations in full.

Drug Accounts Committee.—The following statement has been issued by the Central Checking Bureau, showing for the first half of the years 1915 to 1920 the number of forms allowed, the value, and the average price in the burghs and counties of Scotland :

	Burghs					Price per Form in pence	Counties					Price per Form in pence
Year	No. of Forms	Value £	s.	d.			No. of Forms	Value £	s	d.		
1915 ...	825,366	32.473	7	1		9.44	428,201	17,735	10	2½		9.94
1916 ...	678,225	28,805	9	9½		10.19	362,061	16,405	8	0		10.87
1917 ...	652,804	25,459	13	5¼		9.36	341,577	14,093	15	4		9.90
1918 ...	608,282	27.794	7	8½		10.96	324,659	16,154	1	1		11.94
1919 ...	680,873	33,690	18	5½		11.87	390,860	20,852	1	11		12.80
1920 ...	720,322	49,074	6	0		16.35	406,605	29,285	11	11½		17.28

Pharmaceutical Society of Great Britain.

Qualifying Examination.

The following are the results of the examinations held this month in Edinburgh:

—	No.	Part I.		Part II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination ...	87	1	72	3	42
Entered for Part II. and referred subject in Part I. ...	51	—	42	—	16
Entered for Part I.	6	—	4	—	—
Entered for Part II.	36	—	—	1	22
Referred subject in Part II.	75	—	—	—	67
	255	1	118	4	147

Referred in one subject: Botany, 4; Chemistry, 13; Materia Medica, 11; Pharmacy, 49.

Part I.

The following have satisfied the examiners:

Atkinson, C., Bradford
Barker, A. F., Wakefield
Beale, Jean G., Edinburgh
Bell, W., Glasgow
Burton, W. W., Leigh
Cairnie, Mary G., Edinburgh
Carnegie, W., Stirling
Chapman, W., Wishaw
Clarkson, H., Leeds
Coulthart, T., Glasgow
Cummings, G., Alloa
Darlington, Mabel R., Featherstone
Davie, W., Alexandria
Docherty, J. H., Hamilton
Dryden, A., Dundee
Duncan, P. R., Glasgow
Dunn, G. W., Glasgow
Dunn, H. B., Glasgow
Dyson, C. H., Elland
Ewing, A., Glasgow
Farmer, W., Glasgow
Findlay, A., Glasgow
Fraser, C., Alva
Gemmell, W., Glasgow
Giblin, Margaret M., Glasgow
Graham, A. H., Huddersfield
Gray, W., Edinburgh
Gregson, H. T. A., Eaglescliffe
Greig Harriet D., Dunbar
Harper, Edith M., Edinburgh
Hepburn, J., Wishaw
Heron, W. S., Maxwelltown
Heseltine, T., Leeds
Hogstrom, A. G., Edinburgh
Hollingworth, Olive M. E., Wath-on-Dearne
Hopper, F. E., Leeds
Hunter, M. N., Falkirk
Izatt, J., Glasgow
Johnson, R. F., Leeds
Leitch, J. T., Coldstream
MacLean, A., Dumbarton
McMaster, J. W. G., Glasgow
McMillan, D. F., Inverness
McMillan. G. A., Ayr
McPherson, Annie L., Kilmarnock
Matthew, H., Dunfermline
Mitchell, H., Johnstone
Murray, A., Newcastle
Parkin, H. S., Barnsley
Peak, A., Manchester
Safe, G., North Shields
Scott. H. N. B., Edinburgh
Shepherd, J. H., Sandback
Simpson, J. C., Leigh
Simpson, R. B., Motherwell
Smith, J., Leeds
Tait, A. H., Dalry
Thompson, C. M., Redcar
Tulloch, J. A., Ayr
Wood, W. L., Glasgow

Part II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists:

Adams, J. V., Newcastle
Barrie, D., Edinburgh
Beaton, M. R., Helensburgh
Booth, Alfred, Aberdeen
Bradbeer, W. C., North Shields
Brooksbank, J., Bradford
Brown, A. R., Pembroke Dock
Brown, R. H., Leeds
Cameron, Hugh, Glasgow
Carnegie, A. J., Glasgow
Chedlow, G., Macclesfield
Clark, J. D., Aberdeen
Clark, M., Aberdeen
Corrigall, P. N., Newcastle
Cosans, W., North Shields
Coupar, J. B., Perth
Crerar, J. M., Glasgow
Davidson, W. G., Montrose
Dent, T., Sunderland
Doig, J. P., St. Andrews
Donald, P. B., Grangemouth
Driver, J., Bolton
Dutton, F. W., Chester
Dysart, Andrew, Glasgow
Eadie, G. A., Edinburgh
Gardner, A. M., Glasgow
Gaskell, P., Manchester
Gilmour, W. J., Kirkwall
Gordon, H. M. M., Elgin
Gordon, W. J., Dumfries
Gow, John D., Edinburgh
Halliday, Jack, Bradford
Hamilton, A. L., Paisley
Hamilton, W. R., Hawick
Harrison, F., Ulverston
Henderson, H., Dundee
Hirst, E. S., Bradford
Hunter, J. D., Carlisle
Inkster, W. T., Portgordon
Jack, W. J., Loanhead
Kirk, T. I., Glasgow
Lawson, T. B., S. Shields
Loudon, T., Motherwell
Low. D. D., Hexham-on-Tyne
Malcolm, Elizabeth S., Newcastle
Marshall, W., Udny
Martin, Marion N., Bo'ness
Maughan, J., Ryton-on-Tyne
Maxwell, W. H., Dundee
Miller, A., Leith
Miller, Eric, Leeds
Mitchell, W. S., Larbert
Morison, G., Edinburgh
Mowat, Isabella T., Edinburgh
Munro, D. S., Perth
Muschamp, J. H., Armathwaite
Nicholl, T. C., Dundee
Parry, E., Barnsley
Paterson, T. H., Edinburgh
Peterkin, J. C., Lossiemouth
Philip, W., Aberdeen
Poole, Ivy M., Edinburgh
Rae, Ian M., Edinburgh
Reekie, D., Aberdeen
Richardson, W. O., Dundee
Riddell, J. H., Newcastle-on-Tyne
Ross, J., Edinburgh
Rule, John, Glasgow
Rutherford, A., Hawick
Smith, I., Halifax
Stock, F. C., Bradford
Stone, J. J., Edinburgh
Stuart, W., Aberlour
Sutherland, D., Helmsdale
Sutherland, J. L., Caithness
Taylor, A., Newlands, Leven
Troup, J., Monymusk
Tweedie, James, Glasgow
Vallance, Annie K., Paisley
Vernon, C., Mexborough
Wallace, Euphemia L., Leith
Wallace, T., Edinburgh
Walton, F. E. C., Darlington
White, J. L., Glasgow
Williamson, W. J., Newcastle
Wilson, D. B., Dalry
Wilson, D. S., St. Andrews
Wilson, W., Aberdeen
Wood, W., Halifax

Parts I. and II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists:

Beattie, Minnie M. E. G., Aberdeen
Brown, G. S., West Calder
Brown, John, Glasgow
Cairns, S., Jedburgh
Chalmers, J. M., Edinburgh
Chree, James, Huntly
Craven, C., Bradford
Crowe, J. E., Burley-in-Wharfedale
Dagg, Percy, Tynemouth
Dick, D. M., Glasgow
Dollar, W. N., Grangemouth
Donald, Mary H. E., Dunfermline
Donaldson, R. T., Carlisle
Drummond, C. S., Glasgow
Drummond, W. B., Dunfermline
Duncan, R. S., Aberdeen
Eastwood, L. M., Huddersfield
Ellis, A. J. M., Banff
Fairbairn, W. A., Edinburgh
Farquhar, W. D., Edinburgh
Fenton, John P., Glasgow
Fraser, J. A., Coatbridge
Fraser, W., Inverness
Gair, J. H., Lochgelly
Hardcastle, F. B., Huddersfield
Helm, May, Arbroath
Holmes, A. E., Sunderland
Home, S. G., Glasgow
Jack, George, Paisley
Jervis, W. H., Bolton
Kenny, E. V., Glasgow
Laing, Thomas, Edinburgh
Macfarlane, J., Motherwell
McIvor, Annie, Wick
McMaster, J. G., Glasgow
Malone, W. J., Coatbridge
Meston, P. B., Stirling
Middlemiss, A., Berwick-on-Tweed
Munro, James, Glasgow
Nicol, J. P., Banffshire
Pattullo, J. W., Edinburgh
Pollock, R., Bridge of Weir
Price, A. H., Glasgow
Reid, H. B., Invergordon
Robertson, D. B., Rutherglen
Scott. H. J., Inverkeithing
Shirkey, J. M. Wishaw
Shirreffs, A., Huntly
Smirrel, W. M., Ayr
Smith, F. A., West Hartlepool
Smith, G. R., Berwick-on-Tweed
Stewart, A. C., Kirkcaldy
Thackray, J. C., Liverpool
Thomson, Janet A., Edinburgh
Todd, M. W., Shipley
Ure, A. M., Leven
Vernon, L., Mexborough
Wattie, John, Elgin

Gazette.

Bankruptcy Acts.

Receiving Order.

Diamant, S., 51 Castellain Mansions, Elgin Avenue, London, chemical merchant.

Wages in Pharmacy.

The Local Associations Executive Committee unanimously came to the conclusion that the present conditions neither necessitate nor render it desirable that any change should be made in the system by which the terms of employment in pharmacies have been mutually arranged by the parties immediately concerned (*C. & D.*, October 9, p. 84).

The banality and ineptitude of the above quotation from the report of the meeting of the Council of the Pharmaceutical Society are its most striking features. One would gather from its perusal that the gentlemen who were responsible for it had never read the daily newspapers or the articles that have appeared in The Chemist and Druggist, and were not even cognisant that the official organ of the Ministry of Labour states that the cost of the principal articles of food on October 1, 1920, have increased since July 1914 by 167 per cent., and that the cost of all articles included have increased by 161 per cent. in the return. No doubt the minimum scale put forward by the Amalgamated Society of Pharmacists has helped in the return of such an unsatisfactory report as that of the Local Associations Executive. It is a lamentable fact that, perhaps with one exception, the minimum scales put forward in recent months by various unions have borne little or no relation to the facts, and so have only resulted in "queering the pitch," inasmuch as they have sought to obtain the recognition of a scale that is more in the nature of a maximum than a minimum scale of salaries. The Amalgamated Society's scale is out of all proportion to the necessities of the trade, and would, in fact, be unworkable in the majority of shops doing less than 100*l.* per week.

The bulk of the employees in the trade are honestly desirous of seeing a reasonable minimum scale adopted that will stabilise wages throughout the country, and guarantee to the different grades of employees, whether managers, assistants, or apprentices, a living wage, fair in its application as between the qualified, unqualified, and the beginner. The scale presented to the L.A.E. never received any consideration at all from many of the local associations, and one could not wonder at that when it had already been condemned by many of the assistants. At the same time, it is a pity that the committee could not investigate this matter without prejudice, leaving the A.S.P. scale out of the question. If they had studied the official journal of the Ministry of Labour they would know that the retail section of the drug-trade is rapidly falling behind in regard to its position as a wage-earning business. The L.A.E. statement bears little relation to the facts, and it is a regrettable thing that the committee has failed to seize an opportunity to place the drug-trade on the fair footing of a standard rate of wages.

By the recognition of a standard, chemist employers would have been justified in approaching the National Health Insurance Commissioners for higher remuneration as dispensing-fees for the work of their assistants in the public services performed in dispensing, and in view of greater fields of utility being offered under the Ministry of Health, could have obtained greater recognition and remuneration. Government Departments are not likely to stand long by sweated labour, and the recognition of a standard wage should be part of any agreement to be signed by any chemists going on the panel.

Unless the chemists' assistant is to be the worst-paid person in the community within the next five years, he will have to bestir himself and seek redress through these public services by insisting that such a clause is made operative. At present, owing to post-war conditions, chemist labour is plentiful, and therefore to be had cheaply; but what will be the effect a few years hence? A depreciated craft, low wages, lack of apprentices, all through the failure of the employers' committee to solve the question and obtain thereby better terms for national services for themselves and higher remuneration for their employees.

From information supplied in the "Labour Gazette" it will be found that many trades have based their standard rate of wages for June 1920 at *plus* 125 per cent., the cost of living being at that figure above July 1914. That is the accepted standard below which wages may not fall, and in addition for each rise of 15 per cent. above the accepted standard a varying percentage is added, the latter to be a sliding-scale and adjustable according to the rise or fall as shown by the official monthly return. Working on this basis, and taking a series of wages paid throughout the country in pre-war times, we arrive at the following scale:

Pre-War		Standard Scales with Cost of Living 160% more than pre-War.			
Weekly rate	Per Year	July 14, 1914 +125%	June 1920 +2½%	October 1920 +2½%	Rate per week, October 1920
s. d.	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.
25 0	65	146 5 0	149 18 1	153 13 0	2 19 1
27 6	—	—	—	—	3 5 0
30 0	78	175 10 0	179 17 9	184 7 8	3 10 10
32 6	—	—	—	—	3 16 10
35 0	91	204 15 0	209 17 8	215 2 7	4 2 7
37 6	—	—	—	—	4 8 7
40 0	104	234 0 0	239 17 0	245 16 11	4 14 6
42 6	—	—	—	—	5 0 6
45 0	117	263 5 0	269 16 7	276 11 6	5 6 4
47 6	—	—	—	—	5 12 4
50 0	130	292 10 0	299 16 3	307 6 2	5 18 2
52 6	—	—	—	—	6 4 0
55 0	143	321 15 0	329 15 10	338 0 8	6 10 0
57 6	—	—	—	—	6 16 0
60 0	156	351 0 0	359 15 6	368 15 4	7 1 0
62 6	—	—	—	—	7 7 0
65 0	169	380 0 0	389 10 0	399 4 9	7 13 6
67 6	—	—	—	—	7 19 6
70 0	182	409 10 0	419 14 9	430 4 7	8 5 5

Pre-war salaries included such items as commissions, usually guaranteed, also bonuses, and sometimes rent and light where the pharmacist or first assistant lived over the premises, and therefore scale No. 2 is put forward as an inclusive list of minimum salaries that would include all these items that go to make up salary. The graduation according to age is adopted, not because it is either proper or altogether satisfactory, but for purposes of camparison. Wages should be paid according to ability and experience, and to some extent they are. In a limited number of returns recently compiled by one union, it was found that qualified salaries ranged from 75*s.* to 190*s.* per week, according to age and experience, the average of those sent in being 123*s.* 8*d.* per week at an average age of thirty-eight years. Unqualified salaries were from 40*s.* to 100*s.*, the average paid being 68*s.* per week at thirty-five years. Lady assistants, mainly not having served an apprenticeship, 30*s.* to 60*s.*, the average being 37*s.* 6*d.* for twenty-five years. Apprentices varied from 7*s.* 6*d.* per week to 30*s.* under varying terms of apprenticeship at ages from sixteen to twenty-one years.

Scale No. 2. Pharmacists.

Ages	Pre-War		Standard Scales			Inclusive Rate per week. Cost of living 160%. Oct. 1920	Non-Inclusive rate suggested by A. S. P.
	Weekly rate	Yearly rate	July 14, 1914 +125%	June, 1920 +2½%	October, 1920 +2½%		
		£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
21	42/6	—	—	—	—	5 0 6	5 0 0
22	45/–	117	263 5 0	269 16 7	276 11 6	5 6 4	5 10 0
23	47/6	—	—	—	—	5 12 4	6 0 0
24	50/–	130	292 10 0	299 16 3	307 6 2	5 18 2	6 10 0
25	52/6	—	—	—	—	6 4 0	7 0 0
26	55/–	143	321 15 0	329 15 10	338 0 8	6 10 0	7 10 0
27	57/6	—	—	—	—	6 16 0	7 15 0
28	60/–	156	351 0 0	359 15 6	368 15 4	7 1 10	8 5 0
29	62/6	—	—	—	—	7 7 0	—
30	65/–	169	380 0 0	389 4 9	399 4 9	7 13 6	—

For pharmacists in managing positions, 1*l.* per week or some other payment or bonus should be added to the

above scale. Payment on the basis of turnover would not be altogether acceptable, especially to many in the larger companies. Very often the smaller shops do more dispensing business, and the work is heavier and more arduous. A bonus or payment on turnover does not meet the case of the pharmacist as head of a department, or one in charge of the dispensary. The above being a minimum scale, there is nothing to prevent any manager being paid additional for results on turnover.

Scale No. 3. Chemists' Assistants (Registered).

Ages	Pre-War		Standard Scales			Inclusive Rate per week Cost of living 160% Oct. 1920	Non-Inclusive rate suggested by A. S. P.
	Weekly rate	Yearly rate	July 14, 1914 +125%	June, 1920 +2½%	October, 1920 +2½%		
		£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
21	25/–	65	146 5 0	149 18 1½	153 13 0	2 19 1	4 0 0
22	27/6	—	—	—	—	3 5 0	4 6 6
23	30/–	78	175 10 0	179 17 9	184 7 8	3 10 10	4 12 0
24	32/6	—	—	—	—	3 16 10	5 0 0
25	35/–	91	204 15 0	209 17 8	215 2 7	4 2 7	5 5 0
26	37/6	—	—	—	—	4 8 7	5 10 0
27	40/–	104	234 0 0	239 17 0	245 16 11	4 14 6	5 15 0
28	42/6	—	—	—	—	5 0 6	6 0 0
29	45/–	117	263 5 0	269 16 7	276 11 6	5 6 4	—

Scale No. 4. Apprentices and Juniors.

16	5/–	13	29 5 0	29 19 6	30 15 0	11 10	15/– to 20/–
17	7/6	19 10 0	43 17 6	44 19 6	46 2 0	17 6	20/– to 25/–
18	10/6	27 6 0	51 8 6	—	—	1 4 3	30/– to 35/–
19	15/–	39 0 0	87 15 0	—	—	1 15 6	40/– to 60/–
20	20/–	52 0 0	117 0 0	—	—	1 17 3	70/–

The graduation of assistants according to the number of staff seems an invidious distinction, and the payment of a higher scale according to the number employed also unnecessary, as under the above scale the graduation would naturally take place under the age and experience system, although in actual practice seniority among the unqualified is usually by length of service irrespective of salary paid.

Lady assistants mainly not having served an apprenticeship, but with not less than four years' experience, to receive not less than 10 per cent. off the standard rates. Most of those who have remained in the business received an intensive training during the war that has in the main rendered them efficient and capable unqualified assistants.

The above scales are designed on the ruling rates experienced during twenty-eight years of service as an employee throughout the country, London and the provinces, and while there are exceptional cases where these are exceeded, they will be found fairly representative of what minimum salaries should be based on pre-war payments, which, as a general rule, were much below what one would expect in a craft where knowledge and experience count for so much in successful business, and where the required education costs much in money as well as in time and labour. There are instances where managing pharmacists receive no more than unqualified assistants, and cases are reported where their services and qualification have been offered for less than 4*l.* per week. If a pharmaceutical committee as representative as the L.A.E. fail to see the necessity for any change and the need to stabilised wages, so that some differentiation may be made between qualified and unqualified, and also between the newly qualified, who under the State-aided scheme have had little or no pre-war experience beyond a short apprenticeship, then employees will have to seek other means of exposing their conditions, and endeavour, through some such body as the Ministry of Health, to better their conditions by insisting on terms of contract for public services that will ensure them proper remuneration for their assistance in the work.

Non-proprietor Pharmacist. (18/10.)

British Pharmaceutical Conference.

A meeting of the Executive Committee was held at 16 Bloomsbury Square, London, W.C., on October 6, the President (Mr. E. Saville Peck) in the chair. There were also present: Mr. H. Finnemore (Vice-President), Mr. D. Lloyd Howard (treasurer), Messrs. C. T. Bennett, E. T. Brewis, H. Deane, F. W. Gamble, Dr. W. H. Martindale, Messrs. A. R. Melhuish, and E. T. Neathercoat, with Messrs. R. R. Bennett and C. H. Hampshire (secretaries). The President welcomed the new members of the Executive—Mr. E. T. Neathercoat and Dr. W. H. Martindale.

Harrison Memorial Fund.—It was recommended that the Conference local corresponding secretaries should be asked to send in a report as to subscriptions collected in connection with the Fund, and Mr. E. T. Neathercoat promised that the Local Associations should also be asked to send in their report. It was further recommended that Messrs. C. H. Hampshire and A. J. Chater should call attention to the desirability of establishing a suitable memorial to one who had done so much for his country, and urging pharmacists to send in their contributions without further delay. Mr. H. Finnemore was nominated as an additional representative of the Conference upon the Joint Committee of the Pharmaceutical Society and the British Pharmaceutical Conference, appointed for the purpose of collecting subscriptions to the Fund.

Obituary.—Reference was made to the loss sustained by the Conference through the death of the following members: Mr. A. L. Ross (Bervie), elected in 1904; Mr. G. J. Knight (London) (1879); Mr. W. T. Sivertsen (Swansea) (1920); Mr. H. Woolley (Manchester) (1869). The secretaries were asked to convey the condolences of the Executive Committee to the relatives of the late Mr. Sivertsen.

The treasurer reported that a cheque for 56*l.* 16*s.* 2*d.* had been received from the Liverpool Local Committee as a donation from the surplus local fund to the general fund of the Conference.

The secretaries were instructed to convey to the Liverpool Local Committee the hearty thanks of the Executive for this very generous gift.

Sub-Committees.—The following sub-committees were appointed: *Research*—The President (E. Saville Peck), C. T. Bennett, C. E. Corfield, H. Deane, H. Finnemore, F. W. Gamble, C. A. Hill, W. Kirkby, W. H. Martindale, R. R. Bennett, C. H. Hampshire (convener). *Practice Section*—The President (E. Saville Peck), F. W. Crossley-Holland, H. Finnemore, F. W. Gamble, A. R. Melhuish, E. T. Neathercoat, H. Skinner, G. Whitfield, C. H. Hampshire, R. R. Bennett (convener).

New Members.—The following were elected: Miss A. Etheridge (Hull), Mr. W. P. Lee (London), Mr. H. B. Machie (Brighton), Mr. E. Jones (Brighton), Mr. G. R. Short (Reading), Mr. J. Rennie (Rawdon), Mr. A. Fauthorpe (Caistor), Mr. C. W. Maplethorpe (Hull), and Mr. A. Surfleet (Hull).

The Scarborough Meeting.—In the absence of Messrs. G. Whitfield and E. R. Cross, the President stated he understood that the Scarborough Committee would not conveniently be able to arrange for the annual meeting to be held in July as usual. After some discussion it was agreed that, subject to the convenience of the Scarborough Committee, the last week in June would be a suitable time for the meeting.

Mr. Finnemore suggested that a copy of the paper upon "Some Recent Samples of Grey Cinchona Bark," communicated to the Liverpool meeting by Messrs. B. F. Howard and Oliver Chick, should be forwarded to the Imperial Institute.

At a recent inquest, held in the City of London, the jury suggested, in a rider, that "lung motors," for pumping oxygen into asphyxiated persons, should be easily available for the London fire brigade and the Metropolitan police. It was stated that an apparatus of this kind has been installed at two of the London fire stations.

Associations' Winter Session.

Birmingham.—At the annual meeting of the Birmingham Pharmaceutical Association, held at the Chamber of Commerce on October 13, the President (Mr. H. O. Lloyd) expressed regret at the retirement from association work of Messrs. Southall, Corfield, and Radford. It was agreed to send each of the gentlemen named a letter of thanks. The accounts presented showed a deficiency on the year's working of 15*l.*, and it was decided to increase the annual subscription in the employers' section to 1*l.* 1*s.* The honorary librarian (Mr. F. H. Alcock) reported that, for the convenience of students at the Pharmacy School, the library had been moved from the University to the Municipal Technical School. The following were elected members of the Council: Messrs. J. W. Atkinson, F. Barlow, J. W. Bland, G. Hampton, H. O. Lloyd, E. W. Mann, H. H. Marshall, and C. V. Thompson.

Bournemouth.— The Bournemouth Pharmaceutical Association met on October 8, the President (Mr. H. J. Martin) in the chair. Mr. W. A. Bingham stated that chemists were not marking the charge for prescriptions on their stamp as agreed. Letters from the Local Associations Executive regarding the malaria clinic, and from Mr. French on the visit of members of the Pharmaceutical Council to address sections of Federation were discussed. It was decided to try to arrange with Parke, Davis & Co. for a lecture by Dr. Stanley White on "Glands" on November 5. A supper will be held on December 1 at Gervis Hall, the arrangements to be made by Mr. Bingham and the secretary.

Bradford.— The Bradford Pharmacists' Association met on October 14 at the Central Café, under the presidency of Mr. F. E. Bnrdett. In response to an invitation from the Leeds Chemists' Association, the President was appointed to attend the annual dinner of that Association on November 10. The President said the Council felt that there is a need for occasional revision of the prices locally, based on the Philip's Price List. It had been thought there might be a permanent committee to revise prices monthly. Mr. M. Firth suggested that an undesirable anomaly exists in the case of methylated spirit, which is listed at 13*s.* for buying, though it can be bought in reasonably large quantities at 8*s.* 8*d.*, with discount. It was mentioned that other anomalies have arisen in regard to turpentine, ammonia, glycerin, and other goods sold by the pint, and it was decided that a letter should be sent to the publisher of the price-list drawing attention to the discrepancies. In regard to the minimum dispensing-list established by the Association, complaints had come to hand that the list is not being adhered to. The Council also felt that there ought to be a minimum charge to the public for dispensing. After a discussion it was resolved to advance the ordinary dispensing-fees by 33⅓ per cent. Mr. Bailes called attention to the advertising methods of a firm of manufacturers of toilet goods, bnt it was decided that no action be taken. Mr. Firth asked if the Association could not do something in the matter of the Proprietary Medicines Bill. He thought the Pharmaceutical Society seemed as though they were going to let the thing go through. Indeed, he doubted whether the Society would have moved at all but for the protests appearing in The Chemist and Druggist. Mr. Bailes said he thought the Society and the Local Associations Executive are watching the matter fully on behalf of chemists, but a resolution from the Bradford Association would do no harm. The following resolntion was adopted: "That the Bradford Pharmacists' Association urges the Pharmaceutical Society actively to oppose the clauses in the Proprietary Medicines Bill which are inimical to chemists, and to safeguard their rights to sell known, admitted, and approved remedies free from stamp-duty." Mr. Bailes, referring to the efforts of the L.A.E. to establish an increased dispensing-fee for Insurance work, said that more detailed information to prove the need for a higher fee was required, and the local associations were asked to supply information of concrete cases of increased remuneration having to be paid for dispensing assistance since January 1920. Mr. Bailes reported that the Bradford Pharmaceutical Committee had had under consideration the recent amendment of the regulations as to malaria-clinic dispensing, allowing "repeat-mixture" prescriptions to be made by the doctors. If this were allowed under this sphere of dispensing, it would not be long before this was used as a lever for the re-introduction in Insurance work. In Bradford chemists had declared themselves unwilling to dispense any "rep. mist." prescription. Instances were given of the inconvenience occasioned to the patient as well as the chemist. A letter of protest had been sent to the Pharmaceutical Society, and the secretary was instructed to write again.

London.— The annual meeting of the London County Pharmaceutical Association was held on October 14, Mr. A. J. Wing (President) in the chair. Mr. Wing, in his opening remarks, referred to the work of the County Executive and its sub-committees, which, he thought, merited the interest and support of every member. In submitting the annual report for adoption, Mr. Barnard said he hoped members would take a greater interest in the next election of the Local Associations Executive than they did in August 1919. He urged members to attend a mass meeting of chemists in the Metropolitan group on November 25. On trade questions, Mr. Barnard said that the results of the activities of the Trade Committee were satisfactory. He pointed out that the expenses were moderate when one considered the volume of work done by the Executive and its sub-committees. The report was afterwards adopted. Mr. J. Humphrey (Vice-President) then dealt with the various dispensing services, present and prospective. Regarding the question of the reconsideration of terms in Jnne which was brought up by Mr. J. A. Thompson at the Pharmaceutical Committee, he said a special sub-committee was now engaged in the compilation of particulars. Mr. Humphrey then gave fignres relating to Insurance dispensing, showing that the average value per prescription had increased from 5.74*d.* in 1917 to 9.45*d.* in 1920, and that the average dispensing-fee was 2.83*d.* in 1917 and 4.97*d.* during the first six months of 1920. Referring to the dispensing of prescriptions under the Ministry of Pensions, Mr. Humphrey informed the meeting that London chemists were indebted to their secretary (Mr. G. A. Tocher) for his keen interest and initiative in promoting this new branch of the dispensing service. He gave some interesting figures on the dispensing of malaria clinic prescriptions. The President expressed regret that Mr. A. R. Melhuish was unable to be present to address the meeting. Mr. Melhuish was having a few days' rest after his recent illness. Mr. Hearle opened a discussion on the Proprietary Medicines Bill, and referred to the amendments suggested by the Local Associations Executive and the Pharmaceutical Society. Mr. Skues referred to Clanse 10, and emphasised that it should be amended. Messrs. Keith, Jenkin, and the secretary also contributed to the discussion. It was ultimately agreed that strenuous efforts should be made to secure amendment and modifications of the Bill.

Sheffield.— A meeting of the Sheffield Pharmaceutical and Chemical Society was held at the Literary and Philosophical Society's Room on October 13. Mr. E. Preston presided. The President introduced Dr. J. Stanley White, who gave an interesting lecture entitled *The Ductless Glands and their Uses in Medicine*, illustrated by lantern-slides. He introduced his subject by showing the importance of organo-therapy, emphasising the fact tbat it is only within the last thirty years that the use of the ductless glands in medicine has been placed on a scientific basis. Full explanation of the ductless glands, showing their "internal secretion," was given. The President, Messrs. Austen, Culverhouse, and Antcliffe took part in a general discussion, and Dr. White, in replying to a vote of thanks, said his training as a pharmaceutical chemist had been very helpful in his research work. He thought medical men might give more time to treatment than they do at present, as diagnosis seems to be their only aim.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, Oct. 21.

Business in the chemical and drug markets has been dominated by the coal-miners' strike, the disastrous effects of which are reflected in all sections of trading throughout the country. Home-trade buying has, in consequence, almost come to a standstill for the moment, and the depression in the Mincing Laue markets is more acute, with prices largely nominal in the absence of business. A drug-auction was announced to be held this week, but was postponed indefinitely on account of the strike. It may be held a fortnight hence should an early settlement take place. Among pharmaceutical chemicals the price of practically all items favour buyers, and those who have orders to place find anxious sellers. The rapid decline of the past fortnight, however, is a serious matter for dealers and wholesalers, many of whom carry stocks which can only be sold at a loss at current rates. Mercury is 3*l*. per bottle lower, aud the salts follow by 8*d*. per lb. Acetanilide, bromides, benzoates, cocaine, formaldehyde, hexamine, hydroquinone, tartaric acid, and salol are also cheaper to buy. Among the industrial chemicals, oxalic acid, barium chloride, acetate of lime, and potash prussiate are lower. Other changes comprise a weaker feeling in Japanese camphor, canary seed, pepper, cocoa-butter, quinine, and shellac. Turpentine is much lower, and several of the fixed oils have declined, including linseed, cottou, and palm.

Higher	Firmer	Easier	Lower
Camphor oil (Jp. essent.)	Cedarwood oil	Acetanilide	Ammon. bromide
Diastase	Theobromine (pure)	Albumen	Barium chloride
Lavender flowers (French)		Bay oil (W.I.)	Benzoates
		Camphor (Jp. ref.)	Betanaphthol
		Cananga oil	Canary seed
		Cloves	Clove oil
		Cod-liver oil	Cocaine
		Eucalyptus oil	Cocoa-butter
		Farina (Jp.)	Cotton oil
		Guaiacwood oil	Formaldehyde
		Lime oil (W.I.)	Isinglass
		Linaloe oil	Lime acetate
		Mint oil (Jp.)	Linseed oil
		Patchouli oil	Magnesium
		Pepper	Mercurials
		Peppermint oil (Amer.)	Mercury
		Quinine (second hands)	Orange oil (Sic.)
		Salol	Oxalic acid
		Soda bromide	Palm oil
		Soda hypo-sulphite	Paranitraniline
		Spearmint oil	Potash bromide
		Tartaric acid	Potash prussiate
		Vanillin	Rape oil
			Shellac
			Turpentine
			Vermilion

Cablegram.

New York, October 20.—Business is quiet. Mercurials are lower, calomel having been reduced to $1.31 per lb. Quinine is also lower at 80c. per oz. Menthol is $1.10 cheaper at $5.65. Podophyllum root (mandrake) has declined to 20c., and seuega to $1.20. Methyl salicylate has been reduced to 70c. Mercury is $5.00 lower at $65 per bottle; formaldehyde is 2c. cheaper at 38c., and refined camphor has declined to $1.30 per lb.

Acetanilide is easier at from 3*s*. 3*d*. to 3*s*. 6*d*. per lb. as to quantity.

Agar-agar continues quiet, the spot value of No. 1 Kobe strip being 2*s*. 6*d*. and No. 2 2*s*. 4*d*. per lb. The exports from Japan during July amounted to 21,018 kin, valued at 29,908 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin...	2,274,888	1,055,590	663,533
Yen...	2,490,832	1,382,097	1,064,856

Antimony.—Crude metal is still neglected and quite nominal at about 33*l*. for warehouse lots and 30*l*. to 32*l*. c.i.f. Cheap offers of Chinese regulus are made at about 42*l*. to 43*l*. c.i.f., but buyers show no interest. Advices from the Far East state that the sitnation at Hankow is very depressed owing to heavy accumulations of metal and an absence of foreign demand. The fact that there is now plenty of Chinese crude and refined in Japan discourages smeltiug there.

Belladonna Ext.—English green extract is quoted by makers at 6*s*. to 6*s*. 6*d*. per lb. as to quantities.

Benzoates are rather cheaper, benzoic acid ex toluol offering at about 3*s*. and sodium benzoate at a fraction more.

Bromides.—Business is more or less a matter of negotiation, as prices continue unsettled. Potassium is quoted at from 1*s*. 6*d*. to 1*s*. 9*d*. per lb.; sodium and ammoninm at from 2*s*. to 2*s*. 3*d*.

Buchu.—During the past fortnight ten bales have been sold and one landed. This reduces the first-hand London stock of all descriptions to 15 bales, of which 13 are ovals and two bales long, all the short having been disposed of. There are, however, a further five bales afloat for London. This compares with the stock at one period of August last of fifty bales.

Camphor (Refined).—Japanese slabs are slightly easier, spot offering at 6*s*. 3*d*. to 6*s*. per lb. The exports from Japan during July amounted to 82,231 kin, valued at 336,621 yen. During the seven months ended Jnly 31 they were as follows:

To	1918 Kin	1919 Kin	1920 Kin
British India ...	294,887	37,819	318,331
Great Britain ...	321,171	96,768	122,519
France	23,965	55,981	25,888
United States ...	431,079	1,034,280	220,325
Australia	71,826	1,717	15,644
Other Countries ...	130,469	47,598	116,108
Kin	1,273,397	1,274,163	818,815
Yen	2,568,356	3,847,869	4,313,361

Canary Seed is lower, with common to good Mogador offering at 130*s*. to 175*s*., and Spanish at from 200*s*. to 250*s*.

Chillies.—There are fair stocks of Mombasa on the spot with buying for current needs only, and when Japanese become available, easier prices are expected.

Citric Acid is offered at prices varying at from 3*s*. 5*d*. to 3*s*. 6*d* per lb. upwards for B.P. crystals. There is, however, practically uo demand for the large stocks held.

Civet.—Genuiue is scarce, and holders are quoting 20*s*. to 25*s*. per oz.

Cloves.—There is a small trade demaud at from 1*s*. 6*d*. to 1*s*. 7*d*. per lb. for Zanzibar on the spot, and for October-December shipment sellers quote 1*s*. 3½*d*. c.i.f.

Cocaine.—Hydrochloride is offered at abont 20*s*. per oz., and slightly less for quantity. The pure alkaloid is about 4*s*. to 4*s*. 6*d*. more, according to packing and quantity.

Cocoa-butter is about 2*d*. per lb. cheaper, offering at 2*s*. 8*d*. in lots of not less than one ton.

Cod-liver Oil.—Our Bergen correspondent writes on October 12 that the market continues very quiet, prices showing a downward tendency, and the quotation of 250*s*. per barrel for prime non-congealiug oil is quite nominal. The exports from Norway up to September 25 amounted to 32,682 barrels. Spot (London) sellers of prime Norwegian oil quote 260*s*. per barrel ex wharf.

Cream of Tartar continues weak and unsteady at from about 230*s*. to 240*s*. per cwt. for 99 to 100 per cent. powder, as to seller and quantity.

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Diastase is higher, 1-lb. bottles offering at 19*s*. 6*d*. per lb.

Egg Products continue dull. Chinese liquid hen-yolk is offered at 85*s*. per cwt. for old, 110*s*. for new, and October-December shipment has been sold at 92*s*. 6*d*. c.i.f. Dried yolk on the spot is 9*d*., sprayed whole egg is 1*s*. 6*d*., and native dried whole 10*d*. per lb. spot. *Albumen* is slightly easier, with spot sales of prime egg at 4*s*. 9*d*., while October-December shipment is offered at 4*s*. 6*d*. c.i.f.

Farina.—Japanese No. 1 is easier, with spot sellers at 29*s*. 6*d*. per cwt., and for October-December shipment sellers quote 25*s*. c.i.f.

Henbane Ext.—English green extract is quoted at from 11*s*. to 11*s*. 6*d*. per lb., and first biennial 9*s*. to 9*s*. 3*d*.; from *leaves* 6*s*. 6*d*. is quoted for second and 4*s*. 6*d*. per lb. for first year.

Hexamine is easier at from 14*s*. to 13*s*. 6*d*. per lb. on the spot.

Hydrastis continues very scarce, with spot holders asking 38*s*. per lb.

Hydroquinone to arrive is offered at the easier rate of 8*s*. 6*d*. per lb. c.i.f., the spot value being about 9*s*.

Isinglass.—At auction on Tuesday the small supply of 459 packages met with fair competition, and chiefly sold at lower prices.

Lavender Flowers.—Finest hand-picked French are quoted at 200*s*. per cwt. on the spot down to 140*s*., as to quality.

Lead Products.—The next move in the matter of price-revision will probably be upward and presumably of sufficient importance to offset the recent concessions. The reason for this is the changed aspect of the market in pig-lead due to the firm grip kept on the stocks, which have decreased appreciably of late on account of delayed arrivals from Spain and Australia, while the shipments threaten to be short for some time. The metal has risen some few pounds a ton, and prompt delivery commands a considerable premium. Consumers have bought quite freely, and the fact deserves notice that this metal rose steadily in spite of the weakness in other metals under the coal crisis.

Lime Juice.—West Indian concentrated recently declined to about 30*l*. per pipe, but somewhat less would now be accepted.

Linseed Oil has rallied from the worst, but the demand is quiet both for spot and forward delivery. Spot closed at 71*l*. 5*s*. per ton naked, a reduction of about 3*l*., and Hull is 66*l*. 10*s*. naked. The position is referred to in our editorial columns.

Magnesium.—Powder or ribbon is offered at 14*s*. 6*d*. per lb.

Menthol is quiet, with spot sellers of Kobayashi-Suzuki at from 28*s*. 6*d*. to 29*s*. per lb. Sales were made at 28*s*. 7½*d*. on Wednesday.

The exports from Japan during July amounted to 36,920 kin, valued at 451,701 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin	186,011	158,823	305,213
Yen	1,136,451	1,583,645	4,732,960

Mercurials.—Makers have reduced their prices by 8*d*. per lb. The list price of calomel is now 6*s*. 2*d*., and corrosive sublimate 5*s*. 9*d*. per lb., with the usual reduction for quantities.

Mercury.—The disappointing demand experienced for some time past both for export and the home trade has induced an unusually sharp cut to be made on the part of the leading importers, this amounting to 3*l*. per bottle. Current quotations were, incidental to this change on Tuesday, placed on the basis of 15*l*. to 15*l*. 5*s*. per bottle, and the market on Wednesday closed weak. Trade requirements have undoubtedly fallen off, possibly in consequence of the general trade depression and want of confidence. The deficit in our imports this year as shown by the returns we gave last week is therefore not felt. There is no doubt plenty of quicksilver to come forward from Spain, as receipts from that quarter have been limited for some time past.

Metol is offered at rather under 19*s*. per lb. on the spot.

Orange-flower Water is in large supply at the source. For prompt shipment 12*s*. per gal. in 7-gal. carboys, or 14*s*. for triple, is quoted.

Pepper is easier, spot values of fair black Singapore being from 5¾*d*. to 6*d*. per lb.; to arrive, October-December and November-January shipment has sellers at 6⅛*d*. c.i.f. Lampong is 6*d*., Tellicherry 7½*d*., and Aleppy 6¾*d*. per lb., all spot. Fair white Muntok is offered at 1*s*. 3¼*d*.; October-December and November-January shipment has been sold at 1*s*. 0½*d*. to 1*s*. c.i.f. White Singapore is quoted on the spot at 1*s*. 2½*d*., and for October-December shipment 11½*d*. per lb. c.i.f. is asked.

Petroleum has been reduced by 1*d*. per gal., American water-white offering at 2*s*. 4*d*., prime white 2*s*. 3½*d*., and standard white 2*s*. 3*d*.

Pimento is dull and unchanged, with spot sellers at 4*d*. per lb.

Potash Iodide.—English makers quote 16*s*. to 16*s*. 9*d*. per lb. as to quantity. The exports from Japan during July amounted to 1,923 kin, valued at 15,995 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin	116,107	60,830	12,737
Yen	716,887	390,266	110,498

Of *crude iodine*, 231 kin, valued at 1,907 yen, were exported during July, and the exports for the seven months ended July 31 were:

	1918	1919	1920
Kin	46,431	15,341	11,386
Yen	289,415	101,493	76,950

Quinine has shown a sagging tendency of late, and possibly 4*s*. 1*d*. per oz. would buy a limited quantity of sulphate from resellers. In the present dull state of trade it is reported that some members of the distributing body find difficulty in taking up their quota, and it is from this source that there are resellers.

Salol is about 3*d*. per lb. cheaper, importers offering at from 4*s*. 9*d*. to 5*s*. per lb. as to quantity.

Santonin.—A parcel is expected to arrive in London, and it is anticipated that the price will be reduced shortly.

Senega is quiet, with spot sellers at 7*s*. 9*d*. per lb. Fair-sized quantities have arrived.

Shellac.—The spot market is about 10*s*. per cwt. cheaper, usual standard quality second Orange TN offering at 630*s*. and off standard at 600*s*. Fine second Orange is about 20*s*. lower at 700*s*.; pure Button is 725*s*., Kala 460*s*., AC cakey 540*s*., and IG 480*s*. Futures have been irregular, but about 20*s*. lower on balance, the sales including December at 560*s*. to 525*s*. to 550*s*.

Silver Nitrate.—The prices quoted for crystals on October 12 were based on a price of 51⅜*d*. per oz. as follows: In quantities of 25 oz., 3*s*. 1½*d*.; 50 oz., 3*s*. 1*d*.; 100 oz., 3*s*. 0½*d*.; 250 oz., 3*s*.; 500 oz., 2*s*. 11½*d*.

Tartaric Acid has been in slightly brisker demand, with a seller for prompt delivery at 2*s*. 4*d*. per lb., from which quotations range up to 2*s*. 8*d*. Powdered is scarce.

Theobromine.—The pure alkaloid is rather firmer at from 30*s*. to 31*s*. per lb. as to quantity.

Thymol ex ajowan seed is offered on spot at from 42*s*. 6*d*. to 45*s*. per lb. for good white crystal.

Turpentine.—The market has been given a very severe shaking under American depressed conditions and the industrial disturbances on this side. Spot buying has been limited, and an absence of forward inquiries, coupled with the liquidation of rather important speculative commitments, has served to accentuate the slump. The premium on distant contracts has thus been considerably reduced. There is still no confidence in the position, although values have fluctuated from the worst, the spot market closing at 123*s*.—a reduction of about 5*s*. on the week. The home stocks are fairly liberal.

Vanillin is offered at the easier rate of 61*s*. 6*d*. per lb. from dealers.

Vermilion.—At the time of closing for press the reduced prices had not been announced.

Wax, Vegetable.—Japanese is quiet, with spot sellers at 115*s*. per cwt. The exports from Japan during July

amounted to 26,925 kin, valued at 11,384 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin	5,298,780	760,517	441,923
Yen	1,684,837	296,194	232,148

Essential Oils Market.

So little business is passing that the majority of prices given must be considered nominal. The tendency, however, is still toward lower levels. White Japanese essential oil of camphor is the only article which shows an increase in value owing to the scarcity of supplies. Cheap sellers have practically cleared their stocks. Cedarwood oil, however, is also inclined to be firmer. Sicilian lemon and bergamot at the source are still firm, but there is an entire lack of interest on the part of buyers here to set against this. On the easier side are bay, cananga, clove, eucalyptus, guaiacwood, lime, linaloe, Japanese mint, Sicilian orange, patchouli, American peppermint, spearmint, and thyme oils.

Anise Star remains dull, with spot sellers of "Red Ship" brand at 4*s*. per lb. and November-January shipment at 3*s*. 10½*d*. per lb. c.i.f.

Bay.—West Indian is easier at 26*s*. to 27*s*. per lb.

Bergamot is in very little demand, and quotations for spot 37-38 l.a. continue to show considerable irregularity, although the average price is about 34*s*. to 35*s*. per lb., with small lots available here and there at slightly less. At the source prices vary from 32*s*. to 38*s*. per lb. c.i.f.

Camphor continues very scarce and higher, spot holders asking 210*s*. to 225*s*. per cwt. for white essential Japanese. Small lots, however, can still be obtained at 195*s*. in one direction. Brown is offered at 165*s*. for high gravity, and 145*s*. for low, in drums.

The exports from Japan during July amounted to 786,156 kin, valued at 200,973 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin	735,467	421,406	2,007,805
Yen	149,673	99,070	738 240

Cananga is weakening in the absence of demand, and spot is nominal at 23*s*. per lb. To arrive ex Holland 20*s*. c.i.f. has been mentioned.

Cassia is dull, with spot sellers at 7*s*. 6*d*. to 7*s*. 7½*d*. per lb. for 80 to 85 per cent. c.a. To arrive is offered at 6*s*. 6*d*. to 7*s*. per lb. c.i.f.

Cedarwood.—Stocks are said to be limited, and a fair demand has reacted in a firmer tendency at 3*s*. 10*d*. to 4*s*. 3*d*. per lb., according to quantity. Bids of 3*s*. 6*d*. per lb. in large drums have been refused.

Citronella.—There is practically no business passing and prices are nominal. Ceylon is quoted at 2*s*. 4*d*. to 2*s*. 6*d*. per lb., and 2*s*. 2*d*. c.i.f. to arrive. Java is unchanged at 5*s*. for spot, and to arrive is offered at 4*s*. 9*d*. per lb. prompt shipment ex Holland.

Clove.—English distilled is easier at 13*s*. 6*d*. per lb. from the makers.

Eucalyptus is slightly easier, B.P. oils selling at from 3*s*. to 3*s*. 2*d*. per lb. There are fair stocks on spot at present.

Geranium.—Business has been done on spot at about 40*s*. per lb. for Algerian. Bourbon is steady at 39*s*. 6*d*. to 41*s*.

Guaiacwood has been selling at 28*s*. to 29*s*. per lb. spot, which is easier.

Juniper Berry.—B.P. is irregular, but 15*s*. appears to represent the value, although small lots can be found at less. *Wood* is unchanged at 4*s*. 9*d*. to 5*s*.

Lavender.—Spot sales have been made at 33*s*. 6*d*. per lb. for 30 per cent., French oil. Fair supplies of 32 per cent. are obtainable at 39*s*. spot. There is evidence, in America at any rate, of consumers refusing to pay the high prices asked for new crop oil at the source.

Lemon.—There is no change in the position, spot remaining about 5*s*. 9*d*. to 6*s*., although firm offers might be accepted at less. The forward position is firm about 5*s*. 10*d*. to 6*s*. 3*d*. c.i.f. for new crop.

Palermo, October 14.—Foreign exchange rates, which had been gradually rising since our last report, jumped up suddenly about 10 per cent. from Tuesday to Thursday of last week, and reacted to almost the same extent from Thursday to Saturday. As soon as the exchange rates began to advance local speculators stepped boldly into the market, and their action was this time supported also by local requirements of exporters and distillers. Although there was no support from abroad, still large quantities have been bought up in the last eight or ten days at gradually advancing figures, and the market remains very firm.

Lime.—West Indian distilled has been shaded to 4*s*. 6*d*. per lb., although some holders are still quoting 5*s*. Hand-pressed is lower at 23*s*.

Linaloe.—Mexican wood is lower on spot at 33*s*. per lb.

Mint.—Japanese dementholised is easier, with spot sellers of Kobayashi-Suzuki at 6*s*. 4½*d*. to 6*s*. 6*d*. per lb. October-December shipment is quoted at 6*s*. 3*d*. c.i.f.

The exports from Japan during July amounted to 22,180 kin, valued at 67,857 yen. During the seven months ended July 31 they were as follows:

	1918	1919	1920
Kin	92,447	258,009	230,628
Yen	188,885	679,233	1,533,557

Orange.—Sicilian sweet is extremely dull, and the nominal value is about 25*s*. per lb. for spot. Sicily reports little demand, and the pressing season being near at hand, it may be possible to ease last prices. Offers at 17*s*. 6*d*. to 20*s*. per lb. c.i.f. are being made.

Palmarosa in original pots is unchanged at 23*s*. spot.

Patchouli.—New arrivals have taken place, and the spot price is easier at 83*s*. 6*d*. to 85*s*. per lb. To arrive is offered at 77*s*. c.i.f.

Peppermint.—American tin oil is easier, with spot sellers at 36*s*. to 37*s*. 6*d*. per lb. H.G.H. is quoted at 64*s*. per lb. London terms. Advices from New York state that growers are inclined to give way in their ideas of value to induce buyers of new crop oil to come forward.

Rosemary.—Spanish is dull with spot unchanged at from 4*s*. to 4*s*. 6*d*. per lb. according to seller.

Spearmint.—New arrivals have relieved the spot position slightly; importers now quote 68*s*. per lb. Forward quotations are much lower, however, at 48*s*. 6*d*. prompt shipment.

Spike is firm at from 7*s*. 9*d*. to 8*s*. 3*d*. per lb. for Spanish.

Thyme.—Spanish red is easier, with spot quoted at 7*s*. 9*d*. to 8*s*. for 30 to 35 per cent.; 9*s*. to 9*s*. 6*d*. for 40 to 45; 10*s*. 6*d*. to 10*s*. 9*d*. for 45 to 50; and 12*s*. 9*d*. to 13*s*. for 60. White is unchanged at 9*s*. 9*d*.

Wormseed.—Spot stocks have been practically cleared and importers are offering at 50*s*. per lb. October-November shipment.

Wormwood is almost unobtainable on spot, and 100*s*. per lb. and even higher is given as the forward price.

Heavy Chemicals.

Wednesday, October 20.

The "open" market in heavy chemicals during the latter part of last week had brightened up, and there were signs of increased business, after a long spell of inactivity. The coal-miners' strike has, however, automatically stopped all buying for home requirements, and the effect has already been felt. Export trade is still far below the average. Considerable genuine inquiries for sulphate of copper have been received, but otherwise there is nothing like the usual amount of inquiry on foot. Generally speaking, both home and export trade is exceedingly quiet. Values are fairly well maintained, but the tone of the market is far from satisfactory. An improvement cannot be looked for until the industrial unrest has settled down.

Acetate of lime has fallen during the week, and the grey 80 per cent. is offering at about 32*l*. and the 92 per cent. material at 40*l*.

Acid, Acetic.—Glacial is about 95*l*. per ton, technical 80 per cent. is about 78*l*., and pure 80 per cent. at 84*l*. is being freely offered, but there is very little demand.

Arsenic.—There is a quiet demand for best Cornish

powder at from 75*l*. to 76*l*. per ton delivered London or Liverpool, and the undertone is steady in spite of the depression in other directions.

Barium chloride (98 to 100 per cent.) has dropped during the week to about 27*l*. per ton, at which figure there is very little demand for stocks held. Barytes remains at the same figure, with only limited business, best white at about 15*l*. and grey at 6*l*. 10*s*.

Betanaphthol has declined since last week to 4*s*. 3*d*. per lb.

Bleaching powder is steady at about 30*l*. per ton, but business is small.

Borax crystals remain scarce and steady at about 44*l*., and powder is 10*s*. more.

Carbolic Acid.—Crystals are steady, with small business at 11*d*. per lb. for 39° to 40° C.

Copper Sulphate.—Some fairly good business was apparently put through recently for export, partly for Spain and also Greece, whence there are still a few inquiries, but the market is now quieter. The heavy slump in metallic copper values under the strike news and weakness in America have naturally enough checked the demand, but makers' terms have been as a rule upheld at around 40*l*. to 41*l*. per ton f.o.b. Liverpool for casks, less 5 per cent. It is reported that good stocks were carried in Italy into the current year, but the total needs of that country are said to be at the rate of, roughly, 75,000 metric tons per annum. This year's production is placed at about 80,000 tons. It seems thus clear that Italy has a fair exportable surplus on her much increased production. This year's makers' operations are understood to be already practically completed, while production was energetically pushed until the end of July.

Epsom Salt.—Commercial in bags is freely offered at about 12*l*. 10*s*. per ton, but there is not much demand.

Formaldehyde is dull and unsteady, and has dropped to as low as 270*l*.; it is being offered by weak holders at this figure, but the general quotations average about 290*l*.

Glauber's Salt was moving last week at about 8*l*. 10*s*. per ton, but the demand has fallen off.

Lead Acetate.—There is a steady demand for this product, some large makers quoting 80*l*. per ton f.o.r. at works.

Lithopone.—Red Seal 30 per cent. is quoted at 45*l*. to 46*l*. per ton, but there is no demand.

Oxalic Acid.—Crystals are lower, and now obtainable at 2*s*. 1*d*. spot on a dull market. Forward is 2*s*.

Paranitraniline is down to 7*s*. 6*d*. per lb. on an unsteady market.

Potash caustic is quiet and fairly steady, remaining at about 105*l*. for 88 to 92 per cent.

Potash permanganate is weak. Large stocks are held, for which there is very little demand. Commercial quality is offered at 3*s*. 3*d*. and B.P. 3*s*. 9*d*. to 4*s*. per lb.

Potash Prussiate.—Both red and yellow have dropped since last week, and are now freely offered at 3*s*. 6*d*. and 1*s*. 10*d*. per lb. respectively; there is very little business passing.

Salt cake is in fair demand at about 16*l*. to 17*l*. per ton, in bags f.o.b.

Soda bicarbonate is quiet, with refined material offered at 13*l*. and m.w. at 11*l*. 10*s*. per ton.

Soda bichromate is offering at 1*s*. 1*d*. to 1*s*. 2*d*. per lb., but business is quiet.

Soda, caustic, is fairly steady, and remains at 31*l*. for English 70 to 72 per cent.; 400 cwt. has arrived from Japan.

Soda crystals on spot for export are quoted at about 10*l*. 10*s*. f.o.b., but there is no great demand.

Soda Hypo.—Pea crystals are scarce and in demand, the price being well maintained at about 38*l*. in cwt. kegs.

Soda prussiate is available at 1*s*. 2*d*. per lb.; stocks held, but only small inquiry.

Soda sulphide is weak and in little demand at about 48*l*. to 50*l*. for 60 to 62 per cent. Continental offerings are weakening the market.

White Lead.—The home product is scarce, with practically none on the market.

Hamburg Drug Market.

October 11.

The constant fluctuations in the rate of exchange no longer have the same unfavourable effect on the market, as was the case some months ago. Business has assumed a calm, normal aspect, and it is gratifying to note that the wild speculations indulged in in former months have given place to a satisfactory volume of business, limited to covering actual orders. As far as it is possible to ascertain, the stock of drugs and chemicals available in Hamburg is by no means large, and this explains the attempts made to advance the price for spot goods whenever the value of the currency depreciates. However, when we bear in mind that large stocks have accumulated, not only in the countries of production, but also in the principal trading centres of Europe and North America, we need not be surprised that the fluctuations in the rate of exchange no longer react as was formerly the case. The increased supply offered abroad easily provides compensation; therefore prices are now more stable.

The following prices are in marks per kilo., except where otherwise stated:

Acetic Acid.—Chemically pure 80 per cent. is m.12.50 net, exclusive of carboy; for export, m.14.50.

Aloes (Cape).—Consignments have now arrived, and the quality is excellent; hard bright is offered at m.17.25 (for orders of 3 to 5 cases), or m.17.75 in single cases; breaking bulk at m.19.50, usual tare.

Ammon. Carbonate.—Powder is m.700 per 100 kilos. net, exclusive; single barrels at m.725. For export, October-November delivery, ex factory, including export-tax but exclusive of barrel, in powder, m.950 per 100 kilos.

Anise (Spanish).—Owing to the adverse rate of the peseta, it is unprofitable to buy it in Spain. Spot anise is offered at m.20, gross for net, and for delivery in a fortnight at m.19 gross for net.

Balsam Peru.—A consignment placed on the market, imported direct, was immediately sold, as it was offered far below the world's market price. A few cases are possibly obtainable at m.450 per kilo. Older consignments are offered at m.285 in amounts of 50 kilos., and m.290 in 25 kilos., or m.300 for smaller amounts per kilo. net exclusive. For export an extra charge of 5 per cent. is levied.

Balsam Tolu, of original import, is offered at m.152, but the price is regulated by the rate of exchange.

Bearberry Leaves (Uva Ursi).—First quality is m.7; ordinary, m.6.50; stalky, m.6.

Buchu.—About 200 kilos. are expected at m.425 per kilo.

Calumba.—For large quantities m.6.50 is quoted; for smaller amounts, m.7 to m.8 per kilo.

Camphor has recently been neglected, but is now being bought in large amounts both in England and in Germany. Refined Japanese 2½-lb. slabs fetch for spot supplies m.175 per kilo., in cases, and m.180 for broken bulk; October delivery, in amounts of three to five cases, at m.172.50, single cases at m.174 per kilo.

Canada Balsam.—Stocks of genuine are running low, and prices have advanced. Cases of two tins of 25 kilos. each are offered at m.265; orders of 25 kilos. at m.275 and for smaller amounts at m.290. per kilo.

Cascara Sagrada.—Our last consignments were particularly fine, and there are now only a few hundred kilos. left, at m.24.75 per kilo., gross for net. A further delivery is expected to arrive in October, which is offered at m.24 in lots of 1,000 kilos., or at m.24.50 for smaller amounts, gross for net, ex Hamburg dock.

Cascarilla.—Spot is m.60 in 100 kilo. lots, smaller amounts m.63, October delivery of siftings at m.50, in lots of 1,000 kilos., gross for net.

Chamomiles.—The 1920 crop is in demand at m.18.75 per kilo. in lots of 1,000 kilos., or m.19.50 in lots of 100 kilos., gross for net.

Citric Acid.—Makers have again advanced their prices. Crystals, free from lead, are quoted m.87.50 in amounts of 50 kilos., and m.90 for smaller quantities, net exclusive. Citric acid for export is offered at m.95 net exclusive.

Copaiba.—The first direct shipment is expected to arrive shortly. Spot supplies consist of a few barrels of rather thin Para, offered at m.63. In addition, good medicinal is obtainable in amounts of 100 to 150 kilos. at m.85, and technical at m.68 net exclusive.

Cream of Tartar (98/100 per cent.) is scarce and in demand at m.37.50 for quantities, or m.39 for small amounts, net exclusive.

Ergot.—Considerable transactions to meet the regular demand caused the price on spot to advance to between m.365 and m.370; October delivery might be obtainable at m.348.

Hydrastis Canadensis.—Genuine is m.950; for amounts over 25 kilos., m.925.

IPECACUANHA.—Rio is m.330 and cut m.380.

JAPANESE WAX.—First quality is very dear abroad. Spot supplies are obtainable at m.23.75 for orders of five to ten cases, or m.24.25 in single cases, net, per kilo.

KRAMERIA.—Stock locally amounts to 2 tons, and is offered at m.11, or for amounts under 500 kilos. at m.12.

MENTHOL.—Recryst. Ph.G.V. is quoted at m.950, and for quantities m.920.

MINT OIL.—Japanese is lower at m.190, and spot consignments afloat are offered at m.185.

MYRRH.—Extra fine siftings for tincture, almost free from dust, at m.65.

QUILLAIA is very scarce, and obtainable only at a very high price, but cubes fetch m.18.25 in lots of 500 to 1,000 kilos., gross for net. A shipment of a few thousand kilos. lying in another port of fine light coloured chips, very suitable for reducing to powder or for manufacturing purposes, is offered at the low quotation of m.16.50, gross for net.

SANDARAC.—Good glassy is m.79, and quantities m.78.

SENEGA.—Entire is m.220 and cut m.275 net, exclusive. If ordered in post-parcel amounts an extra charge of m.10 per kilo. will be made.

STROPHANTHUS.—Kombé is obtainable locally at m.50.

TARTARIC ACID.—Large transactions in powder have taken place for export. For home consumption it is offered at m.55 for powder, m.62.50 for crystals, and m.54 for granular, net exclusive.

WORMSEED.—Limited amounts (about 200 kilos.) are available for delivery in two to three weeks after receipt of order at m.145 per kilo.

The following are current quotations on the Hamburg market:

	Marks per Kilo.
Acetanilide	70
Acetone (100 kg.)	2.850
Acetylsalicylic acid	105
Acid salicylic	56
Alum	3
Alumina sulphate	2.90
Amidopyrin	725
Ammon. bromide	33
Ammon. carb.	6·50
Ammon. chlor. crystals, 96 to 100 p.c.	9.75
Ammon. chlor. subl.	15
Amyl acetate	90
Antimony, crude (100 kg.)	750
Barium chloride	5
Barium hydrate	2.50
Betanaphthol, pure	78
Benzoic acid	53
Bismuth subnit. and subgall.	425
Calomel	225
Caffeine pure	1025
,, soda sal.	600
,, soda benz.	600
Cream of tartar	33
Formaldehyde, 40 p.c.	38
Formic acid	12.50
Glycerin c.p.	26
Hexamine	285
Hydrogen perox.	25
Hydroquinone	185
Lactic acid	6
Magnes. chloride	0·95
Magnes. sulph.	0·70
Oxalic acid	28
Phenacetin	345
Phenolphthalein	150
Phosphoric acid (100 kg.)	1,700
Potash bromide	32m to 35
,, cyanide	36
,, chromate	34
,, metabisulphite	20
,, permangauate	63
,, sulphoguaiac.	350
,, iodide	425
,, pruss. yellow	39.50
Pyramidon	800
Resorcin	350
Sal ammoniac	7·50
Salicylic acid	43
Salipyrin	340
Salol	115
Silver nitrate	950
Soda chromate	34
Sulphonal	675
Soda bisulphite	6.50
Soda bromide	34
Soda benzoate	52
,, cyanide	28
,, bicarbonate	1.85
,, sulphate	1.30
Sodium sulphide 30 to 32 p.c.	4·50
,, ,, 60 to 62 p.c.	8·50
Tartaric acid pow.	53
Veronal	550
Zinc chloride	7.50

The Sugar Position.

In its issue of October 16 the "Grocer" reports that the "sugar market is certainly weakening, and it is probable that when the next periodical review of prices takes place at the end of the month the Royal Commission on the Sugar Supply will announce lower rates. Sugar stands out as the one article from which the country is now deriving benefit from control, for the Commission, by the tightness with which it has held the reins, has saved merchants from losses similar to those which dealers in the United States have suffered from their operations of the past ten or twelve months. We may grumble at the prices which now rule, but in fairness to the Commission we must recollect that last spring there was something in the nature of a world panic over sugar; and although we are now paying more than would seem to be necessary, the ruling rates are the outcome of the fact that the Commission had, some months ago, to compete for supplies."

Arrivals of Drugs, Chemicals, etc.

The following products have arrived at the ports named:

London

(October 5 to 11).

Chemical products, etc.: (Belg.) 16 cks. 13 cs., (Germ.) 21 cs. 27 pkgs., (Holl.) 14 cs.
Acetic acid (Holl.), 7 cks.
Alcohol (Natal), 49 drms.
Antimony (Ch.), 100 cs.
Arsenic acid (Ch.), 340 cs.
Barium perox. (Germ.), 62 drms.
Barytes, (Sp.) 800 bgs., (It.) 563 sks., (Germ.) 171 cks.
Bromide: potash (Holl.), 40 pkgs.
Calc. tartrate (Fr.), 279 bgs.
Cherry juice (Denm.), 30 hhds.
Cream of tartar (Sic.), 94 sks. 271 brls.
Formaldehyde (Fr.), 111 cks.
Formic acid (Holl.), 26 pkgs.
Iodine (Chile), 188 kgs.
Magnes. chloride, (Autw.), 56 cks., (Germ.) 46 drms.
Milk-sugar (Holl.), 100 cs.
Naphthol (Holl.), 20 cs. 14 cks.
Oxalic acid (Holl.), 12 cs. 20 cks.
Paraldehyde (Hamb.), 19 cbys.
Potash chloride (Holl.), 250 bgs. 137 cks.
Potash perchlorate (Fr.), 15 cs.
Soda sal. (Hamb.), 5 cs.
Saltpetre (E.I.), 1,349 bgs.
Soda hyposulphite (U.S.), 400 kgs.
Soda sulphide (E.I.), 71 drms.
Sulphur (Sic.), 551 sks.
Tartar, (Fr.) 58 cks. 1,064 bgs., (Sic.) 16 cks.
Wine lees (E.I.), 10 bgs.
Zinc oxide (Antw.), 140 brls.
Cocoa butter (N.Y.), 77 bgs.
Drugs, crude, etc.: herbs (Fr.), 39 bls.; flowers (It.), 31 bls.; roots, (Fr.) 4 pkgs., (Sic.) 20 sks., (Germ.) 13 cs.; leaves (Fr.), 98 cs.; seeds (Fr.), 17 bgs.
Camphor (Ch.), 350 cs.
Canada balsam (Moutr.), 9 cs.
Chiretta (E.I.), 75 bdls.
Cubebs (N.Y.), 18 bgs.
Liquorice (Sic.), 110 cs.
Liquorice root (Cal.), 225 bls.
Myrrh (Bombay), 15 bgs.
Dyes, dyeing, and tanning materials, etc.: (Fr.), 100 sks.; aniline dyes (Holl.), 21 cs.
Egg products, etc.: albumen (Ch.), 246 cs.; yolk (Ch.), 312 pkgs. 260 oks. 105 brls.
Farina (Holl.), 400 bgs.
Fig syrup (U.S.), 6,000 cs.
Glucose (Fr.), 800 bgs.
Gums, resins, etc.: (Antw.), 992 bgs.; copal, (Belg.) 1,034 bgs. 1,726 pkgs., (Holl.) 350 bskts., (S'pore) 25 cs.; cutch (E.I.) lac: button (E.I.), 100 cs. 325 chts.; garnet (E.I.), 25 cs.; seed (E.I.), 200 bgs.; shell (E.I.), 1,100 bgs.
Honey (Fr.), 30 pkgs.
Isinglass (E.I.), 10 cs.
Oils, essential: (Sp.) 1 drm. 7 cs., (Buenos Aires) 10 cs., (Sic.) 80 cs. 78 pkgs., (Germ.) 2 cs., (S'pore) 4 cs., (It.) 9 cs.; anise (Ch.), 150 cs.; bergamot (It.), 10 cs.; cassia (Ch.), 200 cs.; cinnamon leaf (E.I.), 681 cs.; lavender (Sp.), 1 drm.; lemon (It.), 10 cs.; mint (Jp.), 125 cs.; orange (It.), 11 cs.; peppermint (U.S.), 42 cs.; turpeutine, (Fr.) 100 cs. 100 brls., (Belg.) 250 brls., (U.S.) 800 brls., (Norw.) 40 brls.
Oils, fixed: castor (Fr.), 125 cs.; coconut (Cey.), 681 pkgs.; cod-liver oil, (Holl.) 50 cs., (Norw.) 260 brls.; ground-nut (Jp.), 10,000 cs.; herring (Jp.), 150 brls.; olive, (Sp.) 228 brls., (Fr.) 9 cks.; shark (Jp.), 500 cs.; soya bean, (Jp.) 1,700 cs., (Holl.) 600 cs.
Petroleum jelly (N.Y.), 421 brls.
Seeds: apricot (Chr.), 142 bgs.; canary (Holl.), 200 bgs.; caraway (Holl.), 310 bls.; coriander (Moroc.), 300 bgs. 1,000 sks.; cotton (E.I.), 3,240 bgs.; fenugreek (Moroc.), 1,060 sks.; ground-nuts, (Ch.) 3,934 bgs., (E. Af.) 2,175 bgs.; liu, (Ch.) 2,848 bgs. 6,023 pkgs., (R. Plate) 17,568 bgs., (E.I.) 2,408 bgs.
Soy (Ch.), 50 cks.
Spices: capsicum (E.I.), 435 bls.; cassia (Ch.), 700 bls., (buds) 100 bls.; cinnamon (Cey.), 215 bls.; ginger (E.I.) 11 cs.
Wax, paraffin, (E.I.) 208 bgs., (N.Y.) 1,044 bgs. 248 brls.

Liverpool

(October 4 to 10).

Chemical products, etc.:
Acetic acid (N.Y.), 115 brls.
Argol (It.), 96 cks.
Barytes, (Antw.) 6 cks., (It.) 809 bgs.
Calc. acetate (U.S.), 2,441 bgs.
Calc. citrate (Sic.), 65 cks.
Cream of tartar (It.), 80 brls.
Formaldehyde (U.S.), 28 brls.
Glycerin (It.), 67 drms.
Iodine (Chile), 224 brls.
Mercury (It.), 9 cs.
Potash chlorate (Swe.), 800 kgs.
Potash muriate (Antw.), 500 bgs.
Potash nitrate (Antw.), 20 bgs.
Soda bichrom. (U.S.), 96 cks.
Sulphur (Sic.), 5,487 bgs. 100 brls.
Tartar, (It.) 998 bgs., (Fr.) 218 bgs.
Tartaric acid (It.), 208 brls.
Toluol (U.S.), 40 drms.
Drugs, crude, etc.: herbs (It.), 28 bls.
Camphor, crude (Ch.), 300 cs.
Galls (It.), 28 bls.
Kola (W. Af.), 27 bgs.
Liquorice juice, (Sic.) 75 cs., (It.) 40 × ½ cs.
Liquorice root (Sic.), 124 bls.
Saffron (Sp.), 1 cs.
Gums, resins, etc.: copal, (Antw.) 983 bgs., (W. Af.) 162 brls.; resin, (Sp.) 99 brls. 32 cks., (Fr.) 1,605 cks., (U.S.) 126 brls.
Oils, essential: (Sic.), 39 pkgs.; lemon (Sic.), 4 × ½ cs. 5 cs.; linaloe (N.Y.), 25 cs.; turpentine (Fr.), 100 cks.
Oils, fixed: coconut (Cey.), 232 pkgs.; olive (It.), 200 bxs.; palm (W. Af.), 4,708 cks. 76 drms.
Seeds: cotton (W. Af.), 1,316 bgs.; ground-nuts (W. Af.), 6,364 bgs.; millet (It.), 25 bgs.; palm (W. Af.), 140,203 bgs. 1,055 tons.
Talc (It.), 675 bgs.
Waxes: paraffin, (Can.) 200 bgs. 336 brls., (U.S.) 125 brls., (E.I.) 400 bgs., (scale) 125 brls.

Goole

(October 2 to 8).

Aniline dyes (Belg.), 19 cks. 4 cs. 535 pkgs.; chamomiles (Antw.), 20 bls.

Grimsby

(October 7).

Copal (Antw.), 49 bgs.; resorcin (Fr.), 8 cs.

Hull

(October 4 to 8).

Acetic acid, (Holl.) 1,200 pkgs., (U.S.) 216 brls.; aniline dyes (Holl.), 21 brls. 2 cks.; barytes (Germ.), 32 cks.; betanaphthol (Germ.), 4 pkgs. 8 cks.; hematin crystals (U.S.), 40 brls.; indigo artific. (Holl.), 15 cks.; insect powder (Trieste), 6 cs.; lactic acid (Germ.), 7 cks.; magnesite (Trieste), 9,027 bgs.; naphthol (Holl.), 3 cs. 19 cks.; oxalic acid (Holl.), 4 cks.; petroleum jelly (U.S.), 50 brls.; phosphorus (Can.), 500 cs.; roots (Belg.), 8 bls.; seeds: castor (E.I.), 4,158 bgs.; cotton (E.I.), 7,776 bgs.; lin (E.I.), 15,406 bgs., (R. Plate) 50,785 bgs.; ground-nuts (E.I.), 2,667 bgs.; tartaric acid (It.), 120 brls.; wax, paraffin (scale) (U.S.), 200 brls.

Southampton

(October 5 to 8).

Alcohol (Natal), 105 drms.; aloes (Mossel B.), 49 cs.; cinnamon oil (Natal), 18 drms.; cottonseed (Natal), 214 bgs.; essential oil (Natal), 2 drms.; sunflower seeds (Cape), 500 bgs.

Progress in Education.

Sir,—As an Irish pharmaceutical chemist of twenty-five years' standing, and a lover of fair play, I would suggest to those clamouring for "higher education" that if they are to avoid the suspicion of cant and hypocrisy, they should raise the standard as high as may be deemed necessary, but at the same time make it compulsory for all who have already qualified (irrespective of age, time, etc.) to present themselves for re-examination within twelve months in both Preliminary and Final examinations. Under the higher standard then will the Ph.C. of 1885 equal the Ph.C. of 1921. By deductive reasoning we infer that these higher educationists have found themselves, through lack of education, totally unfitted for the present-day duties of pharmaceutical chemists, and this sad state of affairs can easily be remedied as above. Meantime let our pharmaceutical examiners stick to the syllabus as issued by the Pharmaceutical Society of Ireland, and not, as at present, set questions entirely outside the course, more especially in the Preliminary. Also let sufficient time be allowed for working the examination papers, the present amount of time being inadequate.

Yours faithfully,

Equality. (18/10.)

Sir,—I was much interested in Major Peck's address (*C. & D.*, October 9, p. 88), and equally so in Mr. Chas. Hamus' comments (*C. & D.*, October 16, p. 74). Everyone who has been much on the Continent is impressed with the different outlook of the British pharmacist and his French, Italian, or even German opposite number. I have in earlier days gone into a French *pharmacie* and seriously affronted *Monsieur le Pharmacien* by asking for a bottle of eau de Cologne. The French craftsman is a pharmacist *pur et simple*, and he makes a very good living out of it, and, next to the *docteur*, there is no one more esteemed in a French village than the *pharmacien*. I have lived in some hundreds of French villages during the war, and in every one the doctor's house was the best residence, and the pharmacist's unquestionably the best shop, in the place. The reason for the prosperity of our French and Italian *confrères, qua* pharmacists, is that the dispensing doctor simply doesn't exist. The reason for this is not far to seek. Originally the ordinary medical treatment of the general public centred in what is still known in Ireland as the "doctor's shop." The apothecary healed the bodily ills of our forebears right up to the Early Victorian era, and compounded the family recipes, which were amongst the most prized possessions of our grandmothers, great-grandmothers, and their grandmothers before them. In these islands the apothecary assumed more and more of the functions of the doctor and discarded the *rôle* of pharmacist. On the Continent, *au contraire*, the apothecary discarded the *rôle* of physician and developed the art of pharmacy into a profession. Herein lies the difference between the outlook of the Continental and the British pharmacist. In this country it was found, during the "fifties" and "sixties" of the last century, that the apothecary had become a quasi-physician, or, in other words, had developed into the "G.P." This term originated with the L.S.A.s in this country and the L.A.H.s in Ireland—it is wrong, of course, to write them thus, but it looks better than L's.S.A. and L's.A.H.!—who, in signing official documents naturally objected to calling themselves apothecaries, and adopted the term "General Medical Practitioner," as they were registered under the earlier Medical Acts. This development of the apothecary into a practitioner of medicine produced a gap in the necessary service of drugs to the public. Someone was required to supply that natural craving for drugs which goes back to the time when the wounded Æneas was healed by an infusion which Venus herself prepared from dittany, hairy-leaved and purple-flowered, which she gathered on the Cretan Ida—"*Non haec humanis opibus, non arte magistrâ proveniunt.*" The Pharmacy Acts were passed, and the pharmaceutical chemist and the chemist and druggist came into existence to supply drugs and dispense prescriptions. Unfortunately the quondam apothecary did not proceed any further in his development. The Medical Act, 1886, was passed, making it compulsory for all persons registering as medical practitioners to possess a degree or diploma in medicine, surgery, and midwifery. This Act was levelled at "The Halls," and aimed at all medical practitioners being either graduates in medicine or surgery, or possessors of the diploma of a College of Surgeons *and* a College of Physicians. The Colleges of Physicians and Surgeons in London, Edinburgh, and Dublin promptly united and made arrangements to grant their diplomas conjointly. They hoped to freeze out "The Halls," but not a bit of it! The London Society of Apothecaries managed to get an Act of Parliament passed which recognised their diploma as qualifying to practise medicine, surgery, and midwifery, and the Apothecaries' Hall of Ireland, after a flirtation with the Dublin College of Surgeons, soon followed suit, and its diploma now qualifies for registration in all branches of medical practice. The apothecaries had become doctors, but did they cease to practise pharmacy? Not a bit of it! The general practitioner continued to dispense his prescriptions, and he still continues to do so. Here is the crux of the question. Major Peck does not appear to realise that in this country the practice of pharmacy is *not* in the hands of pharmacists. Every medical man on the Medical Register is fully qualified to keep "open shop" for the dispensing of medicines and the sale of poisons, and in practice most of them do, more or less. The National Health Insurance Act has given a large amount of very unremunerative dispensing to pharmacists, but most doctors send prescriptions for their panel patients to the chemists and dispense the medicines for their paying patients themselves. Pharmacists in this country have been forced to take up all sorts of sidelines *because* the doctors continue to dispense. It is idle to talk of ideals and to endeavour to inspire enthusiasm in pure science amongst men who have to earn their livings in the commercial atmosphere of a modern pharmacy. What good is a degree in science to the chemist and druggist in an English provincial town? A doctor rarely darkens his door, and what really pays is a knowledge of optics, photography, sound commercial bookkeeping, and the smattering of elementary medicine which we call counter prescribing. Until the doctors in this country give up dispensing there is no hope of the craft attaining the scientific attitude of mind and the professional status which Major Peck dreams of and our Continental *confrères* actually possess.

Yours sincerely,

An Apothecary. (19/10.)

Proprietary Medicines Bill.

Sir,—In the account of the meeting of pharmacists at the Great Eastern Hotel, to discuss the Proprietary Medicines Bill (*C. & D.*, October 16, p. 54), there are several straws which show that, as you have already so forcibly pointed out, it is rather futile for chemists to rely on the Pharmaceutical Council taking anything like drastic action in this matter. One speaker openly doubted whether it was in the Council's province at all, and Mr. Lloyd said that we need have no fear of Clause 10, which, however, both Mr. Body and Mr. Skues looked on as undoubtedly cutting at our best interests. The statement that if we make too much fuss over this little Bill we may lose what we have already got, is exactly the Pharmaceutical Council's old argument with reference to the by-law—if you don't vote for it, the Privy Council will take steps and do terrible things to you, so mind what you are about. I would suggest that in view of the seriousness of the matter to pharmacists in business a carefully worded letter should be drawn up, showing the dangers of the Bill (to the public as well as to proprietors), and including the amendments proposed to safeguard the legitimate sale of drugs and approved remedies. The secretary of every association should then be instructed to send a copy to

each M.P. in its area, and to any other person connected with the matter, and this action should be taken quite independently of the Local Associations Executive or the Pharmaceutical Society, as showing the feeling of pharmacists as a body on the proposed legislation.

Yours faithfully,

Direct Action. (16/10.)

Sir,—Clause 10 in the recommendations of the Select Committee on Patent Medicines, which you have reprinted (*C. & D.*, October 16, p. 55), advises that if the sale of any remedy is prohibited the manufacturer should have the right of appeal to the High Court. In the Proprietary Medicines Bill, as at present drafted, the Minister of Health alone appears to have the right to decide on the registration of any medicine without appeal, so that this is another instance in which the department has overstepped its instructions, and should be called upon to rectify the matter. Another point which I have not seen noted is that if the Bill passes there will be a considerable time before medicines can be registered in view of the thousands of formulas that will be sent in, requiring months of testing, checking, and consideration. What is to happen to the stocks in hand during the interval? Is the sale totally stopped while waiting for the Minister's decision? And in the event of registration being refused, is there any compensation for loss of trade, goodwill, etc., or are the stocks of drugs, labels, and bottles to be thrown away as a dead loss?

Yours faithfully,

Interim. (2/10.)

An International Degree in Pharmacy.

Sir,—I have been much struck by the fact that whereas the Pharmaceutical Societies of Great Britain and Ireland decline to acknowledge each other's existence, the medical degrees and diplomas throughout the British Isles—and, indeed, the British Empire—are recognised as equal for purposes of medical registration. Recently the medical profession has gone further, and we now find an international medical diploma seriously advocated in the medical Press. The medical journals see in a diploma of this type a great assistance to young qualified men, of whom many might thereby pursue a far truer international study of their profession, and also an improvement in scientific relations with our neighbours. A Board of Examiners is suggested, consisting of members from Great Britain and her Dominions, from America, and from the European countries. This Board might issue a qualifying diploma either as the result of examination or after the inspection of diplomas or degrees already obtained. This international diploma could enable its holder to practice in any country where the Board was recognised, and to move about among the different people who contributed to the formation of the Board. The advantages are obvious and would be enormous. Surely this applies with equal force to pharmacy. Why should the rulers of the craft hold such parochial notions while their medical *confrères* are preaching universality on such broad and generous lines? There would be something tangible in the orations of Major Peck and other pharmaceutical orators if they promised the graduate in pharmacy universal recognition for his degree. There is in London a Fellowship of Medicine which endeavours to unite in one brotherhood all practitioners of medicine, wherever they may come from, and seeks to organise the post-graduate facilities of London for the students of the whole world. Why not a Fellowship of Pharmacy which would gather together in London the diplomates of every pharmaceutical body in both hemispheres? The time has come when it is no longer sufficient to "think imperially," we must "think internationally" to be abreast of modern lines of thought.

Yours sincerely,

Qui Hai. (3/10.)

Salaries in Pharmacy.

Sir,—Cannot some attempt be made to ascertain the number of qualified pharmacists who are at present unemployed? There must be many hundreds, not only the newly qualified ex-Service men, but many who, like myself, passed their examinations years before the outbreak of war, and who also served three or four years in the Army. If a fairly accurate idea of the large number seeking suitable employment could be arrived at, probably many of the young gentlemen who have just entered the various schools of pharmacy would seriously consider whether it was worth while, before proceeding to qualify; and representations might be made to the Appointments Department that any who so wished might be permitted to train for some other calling in lieu of pharmacy. The larger the number of qualified chemists there are, the lower will salaries tend to become. It is only a question of supply and demand. A year ago I ventured to predict that qualified assistants would be receiving as little as 4*l.* a week when the first big batch had passed out of the schools; and now your correspondent "M. S. D." sends an advertisement of one offering his services for 3*l.* 3*s.* What will the average salary be when another thousand are added to the Register? Probably less than in pre-war days, while the cost of living is 168 per cent. higher. Yours faithfully,

Diploma. (18/10.)

Carriage on Empties.

Sir,—In answer to Mr. Holmes (*C. & D.*, October 16, p. 75), the futility and ineptitude do not appear to be entirely on my side. I did not ask for free cases, free bottles, etc.; the only point I raised was that wholesale houses provided pharmacists near London with certain privileges which should be extended to pharmacists further afield. The rent question does not apply at all, as in the main streets of many provincial towns rents are larger than many London pharmacists are called upon to pay. I am glad to notice that since writing my first letter one wholesale firm is instituting a motor delivery to Plymouth for the distribution of drugs and collection of empties. With regard to Plymouth Hoe (beautiful spot as it is), we cannot store empties there or call upon Drake to pack them for us. Yours faithfully,

Plymouth. Howard Vibert.

Postal Surcharges.

Sir,—A far more important matter than excess postage on insufficiently stamped orders from customers (*C. & D.*, October 9, p. 82) is the fact that the Post Office hold them up in some cases twenty-four hours. This means delay in despatch, and consequent annoyance. I have had two such cases this week. Yours truly,

H. W. Harrie.

Subscribers' Symposium.

Appreciation.

I cannot let this opportunity pass without expressing my appreciation of the *C. & D.* During all my business career, in every difficulty I have turned to the *C. & D.* for advice, and can truly say it has been more helpful to me than any other publication connected with the drug-trade.—*F. W. S.* (8/20).

Warning to Chemists.

Mr. Alban Atkin, dispensing chemist, 243 West End Lane, London, N.W., writes to caution chemists regarding a prescription for "Nurse Wilson," ordering morphine tablets, which is being presented to London chemists for dispensing. The prescription is signed "J. Collinwood, M.D., 62A Harley Street," but there is no such name on the current Medical Register, neither is there such an address as 62A Harley Street in the London Directory.

Legal Queries.

C. L. W. (18/10).—The use of the title "Chilblain Pigment" on a label renders the preparation liable to medicine-stamp duty.

Canyon (5/10).—From the details you give it does not seem as though the business you refer to is being carried on contrary to the provisions of the Pharmacy Acts.

Plymouth (20/10).—There is no reciprocity of qualifications between Great Britain and Canada, but the British qualification is generally accepted for registration as an assistant.

Verox (13/10) is the tenant of premises, there being no agreement as to repairs. The pipe from the gas-meter to the brackets has started to leak; is the landlord or "W. S. I." liable to have the pipe repaired? [The landlord is not liable to repair the pipe, and it will therefore be necessary for "Verox" to do so.]

Verox (13/10).—The conditions governing the sale in Great Britain of oxalic acid and soluble oxalates are different. Oxalic acid is a poison within the meaning of Part II. of the Poison Schedule, while soluble salts of oxalic acid are "poisonous substances" according to Section 5 of the Poisons and Pharmacy Act, 1908.

A. B. C. (19/10).—(1) There are no restrictions on the sale of the "infants' friend" containing tinct. opii ♏iv. in ℥j, but it is better to discourage the sale of opiate preparations for administration to children. (2) Infringements of the Pharmacy Acts should be reported to the secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.

F. W. H. (19/10).—(1) The widow of a registered chemist is not entitled to the exemption in the Medicine Stamp Act, 1812, which allows of the sale of "known, admitted, and approved" remedies unstamped to certain persons unless the business is carried on in conformity with the Poisons and Pharmacy Act, 1908. One of the conditions is that a registered chemist is in charge. (2) The title "Lung Tonic" makes a preparation liable to medicine-stamp duty; if it had been "Lung Mixture" the article bearing the label you send could have been sold by anyone without liability to duty.

H. S. (18/10) owns a house which is let to a tenant who pays his rent every four weeks, on a Saturday. On July 24 "H. S." gave the tenant notice increasing the rent as from August 21. "H. S." claims that the first four weeks' rent at the increased rate was payable on September 18, whereas the tenant maintains that it was not payable until October 16. Which is right? [Assuming that the notice was in order in other respects, it took effect as from August 21, with the result that the first monthly payment of the increased rent was due on September 18. Under the Increase of Rent Act, 1920, four weeks' notice of an increase of rent is sufficient, and the tenant has no right to claim eight weeks' notice, which, in effect, he is doing.]

R. M. (16/10), in 1913, entered into an agreement for a tenancy of a passage leading from the street into a yard, at a rent of 7*l.* 16*s.* a year. The passage was open at the front and the back, but is roofed, and walled-in at the sides by the adjoining premises. The agreement provided that "R. M." should be at liberty to convert the passage into business premises, at his own expense, by erecting a wall in front and at the back. This he has done, and the passage is used as a dispensary. It was also provided that the tenancy should be terminable by six months' notice after the first three years, and that at the end of the tenancy the passage should be restored to its original condition. The landlord has now given "R. M." notice to quit, with a view to a fresh agreement. Is "R. M." right in assuming that as the Increase of Rent Act, 1920, applies to business premises he cannot be compelled to vacate the passage or to pay a higher rent? [If the Court considers that the Act applies in this case, "R. M." would not, until after June 24, 1921, be ordered to give up possession of the passage, except upon one of the grounds specified in the Act, or to pay a greater increase of rent than that permitted under the Act. We think, however, that there is reason to doubt whether "R. M." is entitled to the protection of the Act at all, having regard to the fact that it applies only to *premises* used for dwelling or business purposes, whereas the tenancy in question relates to a passage, which is in reality a piece of land and not "premises" at all.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Cocoanut Shampoos.—Will subscribers please note that in the formula for cocoanut-oil shampoo-powder (*C. & D.*, October 16, p. 52), the first item should read "powdered cocoanut-oil *soap*"?

J. H. B. (13/10).—Non-alcoholic Perfumes.—A selection of perfumes in which a minimum of alcohol is used is given in "Pharmaceutical Formulas," p. 931, and in *The Chemist and Druggist Diary*, 1920, several formulas are given for non-alcoholic perfumes.

W. O. (7/10).—The filling agent used for the brass sunk lettering on stall-plates is made of a basis of sealing-wax. A strong solution of wax of the colour desired is made in spirit.

F. G. M. (20/9).—Viceroy's Hair-wash.—The formula as given in the *C. & D.*, September 18, p. 59, is correct, but may be read "Aq. rosæ ad ℥viij." if preferred.

C. M. S. (15/10).—Manufacture of Artificial Manures.—The article in Thorpe's "Dictionary of Applied Chemistry" is a good exposition of the subject. Halligan's "Fertility and Fertiliser Hints" (Williams & Norgate); Murray's "Soils and Manures" (Constable); Hall's "Fertilisers and Manures" (Murray); Vendelman's "Manual of Manures" (Geo. Newnes, Ltd.), are other useful books.

F. E. L. (12/10).—Colouring Carboy Liquids.—The following are from "Pharmaceutical Formulas":

Blue.

Copper sulphate	4 oz.
Ammonia solution	A sufficiency
Water	2 gals.

Dissolve the copper sulphate in two parts of water and add solution of ammonia with constant stirring until the precipitate is redissolved, then add the rest of the water.

Emerald.

Nickel sulphate	3 oz.
Sulphuric acid	6 oz.
Water	2 gals.

Dissolve the sulphate in the water and add the acid, stirring constantly. Allow to deposit, and decant.

Red.

Iodine	3 dr.
Potassium iodide	3 dr.
Hydrochloric acid	10 oz.
Water	2 gals.

Dissolve the iodine and iodide in 8 oz. of water and dilute with the rest, to which the acid has been added.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1870.

Citrate of Magnesia.

Some of the Liverpool chemists thought that conscientious pharmacy had been carried a little too far, when their customers visited them on the morning following the Citrate of Magnesia discussion, and showed them a copy of the "Post" or "Mercury" containing an exposure of their practices. If, said a logical public, if we cannot trust you in citrate of magnesia, how can we believe the rest of your imposing labels? There is no getting out of the dilemma. There was no deliberate intention, in the first place, to call the thing by its wrong name, but the habit has grown on us, and the public, by their eager adoption of the illegitimate chemical, has riveted the title. We can offer neither advice nor consolation. We can only moralise in the words of the poet:

"Oh, what a tangled web we weave
When first we practise to deceive!"

A new British Chemical Industry

POTASH
COMPOUNDS

manufactured in England from English Potash.

CARBONATE OF POTASH, B.P.
PERMANGANATE OF POTASH, B.P.
CHLORIDE OF POTASH, B.P.
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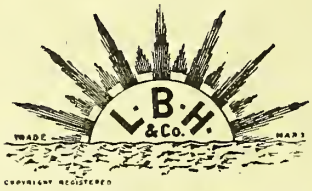

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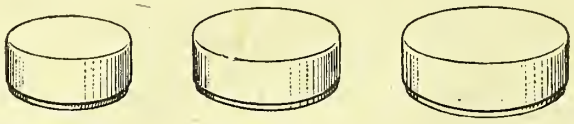

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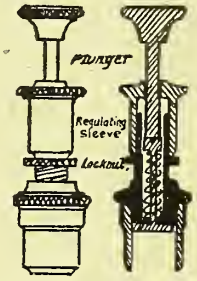

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TIDMAN'S SEA SALT

P. A. T. A.

secures profits as follows—

3d.	Packets	44%	on	Cost	Price
1½ lb.	Boxes	37%	"	"	"
3½ lb.	"	37%	"	"	"
7 lb.	"	41%	"	"	"
14 lb.	"	35%	"	"	"

All orders of 20/- value and upwards are carriage paid. Cases at bare cost.

*28 lb. Bags,	Sent direct to	16%
*56 lb. "	Chemist's	20½%
*1 cwt. "	own customer	24%

*No Stock to hold or handle.

Prices on application to—

TIDMAN & SON, LTD.,
WAPPING, LONDON, E. 1.,
or to any Wholesale Patent Medicine House in the United Kingdom.

LIQUID BARKOLA COMPOUND

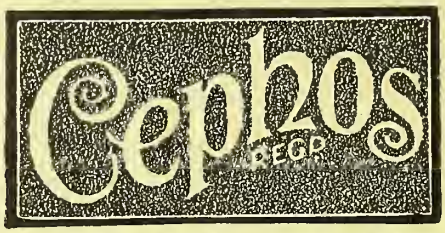
Wholesale 30/- per doz., Retail 3/- each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula—

Liq. Barkola Comp., 1 oz.; Tincture of Gentian, 1 oz.; Syrup of Rhubarb, 1 oz.; Syrup of Ginger, 5 oz.

Chemists charge according to their own scale for dispensing

THE BARKOLA CO., LTD.,
42 Great Dover St., LONDON, S.E.1.
Proprietors of Barkola Alvexo, Barkola Balm, &c., &c.



For NEURALGIA, HEADACHE, RHEUMATISM and INFLUENZA.

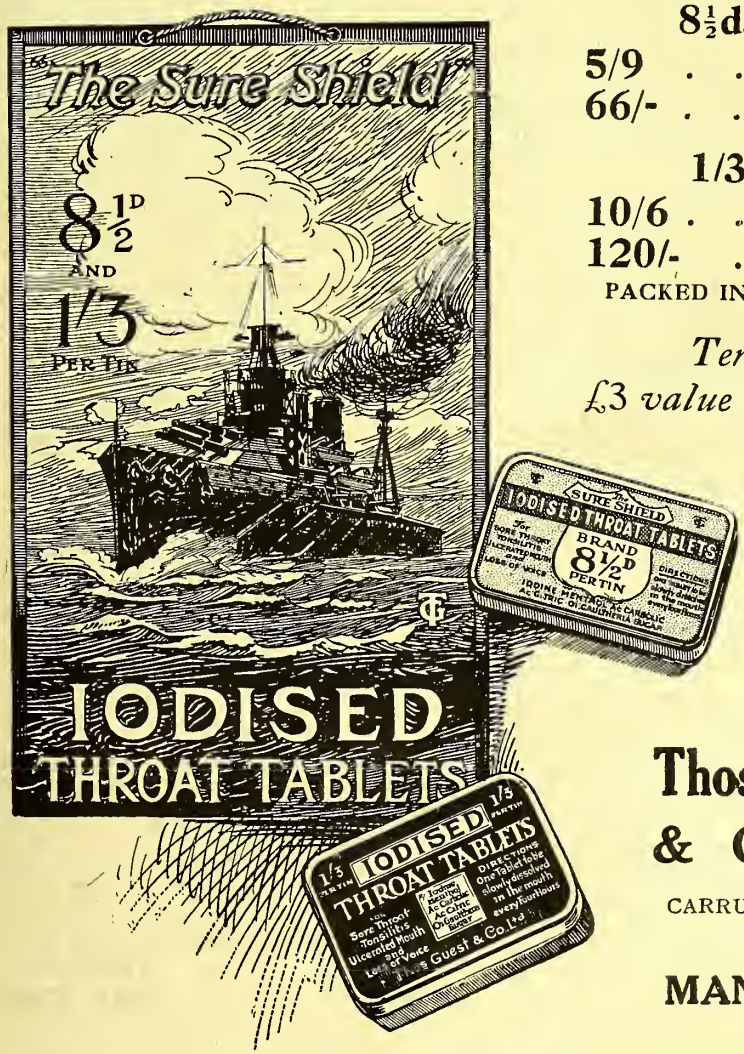
Write for wholesale terms to

CEPHOS LTD., Blackburn, Lancs.

"GOOD WINE NEEDS NO BUSH."

IODISED THROAT TABLETS

"THE SURE SHIELD."



8½d. TINS

5/9 . . . per doz.
66/- . . . per gross

1/3 TINS

10/6 . . . per doz.
120/- . . . per gross

PACKED IN 1 Doz. OUTERS.

Terms net.
£3 value carriage paid

May we send you our PRICE LIST ?

Thos. GUEST & CO., LTD.

CARRUTHERS STREET,
ANCOATS,
MANCHESTER.

SPUN OINTMENTS

ARE USED THE WORLD OVER.

TWO NEW LINES IT WILL PAY YOU TO STOCK

"NUXOCOL"
LIQUID COCOA-NUT OIL SHAMPOO.

Beautifully packed. First-Class seller.
Guaranteed to contain 20% Purest Cocoa-Nut Oil.

12/- doz. *Sells at 1/9.*

ZINCO-SULPH. CREAM.

For Pimples, Blackheads, and all Skin Troubles.

Run this in combination with a Sulphur Soap—thus enabling you to secure a double sale.

Price 7/- doz. *Sells at 1/-*

ROBERT BLACKIE, WHOLESALE MANUFACTURING CHEMIST,
"SHEN WORKS," Tower Bridge Road, London, S.E. 1.

Telegrams: "Ushenspuna London." CONTRACTOR TO H. M. GOVERNMENT Telephone: 2145 Hop.

D.D.D. Prescription

FOR ALL SKIN & SCALP DISEASES

A well-advertised, high-grade preparation, enjoying a steadily increasing sale. On the P.A.T.A. protected list, giving the retailer a profit of 25%

TRADE PRICES.

			per doz.
D.D.D. Prescription	3/- bottle,	M.R.P. Face Value, @	27/-
,, ,,	5/- ,,	,, ,, ,,	45/-
,, ,,	12/- ,,	,, ,, ,,	108/-

In two strengths, Ordinary and Strong.

			per doz.
D.D.D. Soap	1/3 tab.	M.R.P. Face Value, @	11/3
,, Shaving Soap	1/6 stick	,, ,, ,,	13/6
,, Vanishing Cream	2/6 jar	,, ,, ,,	22/6
,, Shampoo Powders	2/6 box	,, ,, ,,	22/6

Carriage paid to any part of the United Kingdom.

Showcards &c. Supplied Free.

D.D.D. Co., Ltd.
3, 5, 7 Fleet Lane, Ludgate Circus, London, E.C. 4

SYRUP

(ROBERTS)

Recognised by the Medical Profession as

THE BEST TONIC.

Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

Inquiries Invited for
NEW & RARE MEDICINES
of French, Italian and Russian Origin.

ROBERTS & CO.,
76 New Bond Street, London, W. 5 Rue de la Paix, Paris.

"QUINPHOS" REGD.

THE GREAT TONIC

This Cut-out is an exact reproduction of the "QUINPHOS" package. It stands 11 inches high.

Please send for one or more, and qualify for the BONUS.

FULL PARTICULARS FROM THE

SOLE MAKERS—

THOMPSON & CAPPER, Ltd.

Manesty Buildings, College Lane, LIVERPOOL

P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C.4.

October 23, 1920.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
	Cuxson, Gerrard & Co.'s Preparations:—		doz.
2/3	Eau de Cologne "Empire" 1-oz.	2/3	18/-
4/3	,, ,, 2-oz.	4/3	35/-
8/-	,, ,, 4-oz.	8/-	62/6
1/3	Embrocation "Universal" ...	1/3	10/-
1/6	Vanishing Cream, Oxygen "Empire"	1/6	10/6
1/6	Lotion "Sanoid"	1/6	9/-
	Evans, Gadd & Co.'s Preparations:—		
1 3	Lysol ... ... 4-oz.	1/3	10/-
2/3	,, ... 8-oz.	2/3	17/-
3/6	,, ... 16-oz.	3/6	27/-
5/9	,, ... 32-oz.	5/9	45/6

Less 2½% discount on £5 orders.

KAY'S Compound Essence of Linseed

"LINSEED COMPOUND" (Trade Mark)

and their other medicinal preparations.

REVISED PRICES

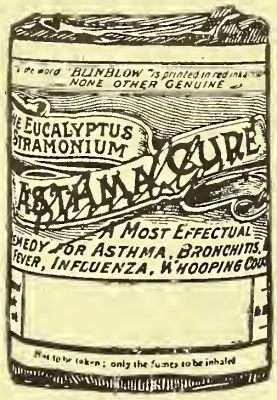
Old Retail Price.	New Retail Price (P.A.T.A.)	Wholesale Price in Great Britain (P.A.T.A.)
11½d.	1/3	11/3
1/3	2/-	18/-
3/-	4/6	40/6
5/-	7/6	67/6
12/-	18/-	162/-

Revised price labels to attach to existing stock will be forwarded on stating approximate quantity of each size required.

In handling Kay's "Linseed Compound" you are selling a Household Remedy of Sixty Years' Reputation!

KAY BROTHERS LTD.

STOCKPORT



A Side Line of Repute is always worth handling. It brings No Complaints. Now is the time to show an Asthma Powder.

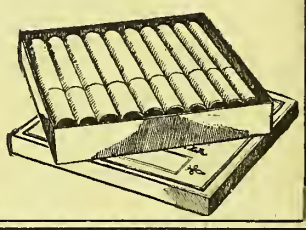
"Blimblom"

POWDER & CIGARETTES will meet your requirements.

Protected by the P.A.T.A.

1/6 and 4/-

Name and Address Free on 3 dozen lots. Carriage Paid.



Terms: 12/- doz. net
3 dozen - - 11/6 doz. net
12 dozen - - 11/- doz. net

ORDER THROUGH ANY WHOLESALE HOUSE.

BUYING AGENTS Required in All Parts of the World.

'C CURE.'

The Proven and most Reliable Preventive and Cure for

TRAIN AND SEA SICKNESSES.

PACKED IN ALUMINIUM BOXES ENCLOSED IN DECORATED CARTONS.
Each Box contains Twice the value of any other similar Remedy.

Large Size - 8/- - per Box.
(*Enough for Four Journeys*)

Small Size - 4/- - per Box.
(*Enough for Two Journeys*)

Liberal Discounts to Wholesale and Shipping.

APPLY:

'C. CURE' Ltd., 111-113 Great Portland St., London, W.1

Phone: 4510 Mayfair. *Correspondence in All Languages.* Telegrams: "Cecurio, Wesdo, London."

Thousands of People are Daily Taking

RETAILS 3/6 WIDELY ADVERTISED

FROM ALL WHOLESALERS

Are you Selling It to Them?

For particulars of the liberal Trade Terms write to S. Kutnow & Co., Ltd., The Kutnow Laboratories, 41 Farringdon Road, London, E.C. 1.

LAMP-BLOWN GLASSWARE

Our methods are new and are such that we can supply much better articles than usual, and give quick delivery. In particular, we have developed the art of annealing small glass articles to perfection, with the result that the breakage factor has been enormously reduced.

Our Special Lines include : Flat Bottom Tubes, Ampoules, Serum Ampoules, Nasal Douches, Syringes, Menthol Inhalers, etc.

INQUIRIES INVITED.

JOHN TYE & SON, 457 Caledonian Road, LONDON, N. 7.

BOTTLES.

I can supply BRILLIANTINES, LIMES, OVALS, VIALS, CANNONS, KALIS, SCREW JARS, MEDICAL FLATS, SAUCE BOTTLES, &c., &c. Wholesale quantities only. Your inquiries solicited.

Q. VAN DER HOEK, 324/5 Bank Chambers, 329 High Holborn, LONDON, W.C.1.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, **2d.** each.

Wholesale Prices on application. Sample Box 1/6.

R. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

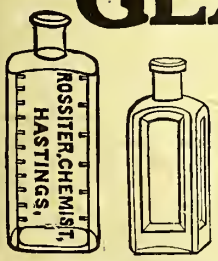
HEALTH SALT *SUPERIOR QUALITY.*

4-oz. Decorated Tins.

1 Gross ... **78/-** 5 Gross ... **77/-**
2 „ ... **77/6** 10 „ ... **76/6**
Carriage paid.

W. FOX & SONS, Wholesale Botanic Druggists
CASTLE STREET, SHEFFIELD.

GLASS BOTTLES WHOLESALE and EXPORT



Medical Flats { Best Quality, Quinine Tinted. Pale Tinted, 2nd Quality.
Panels „ Pale Green.
Vials, White Flint. All sizes.
Poisons. Actinic Green, Blue or Amber.

SAMPLES AND PRICES UPON APPLICATION TO—

FARROW & CO., 87 Borough High Street, LONDON, S.E.1.

Telephone—HOP 3222.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

TRADE MARK

Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/-	per doz.
" 2.	3½ " " ...	14/6	"
" 3.	6½ " " ...	24/-	"
" 4.	12 " " ...	42/-	"

MIST. PEPSINÆ CO. c. BISMUTHO

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.

Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35–42 Charlotte St., London, E.C. 2.

ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

Prices and Terms on application to R. BARKER & SON, Ltd.
13 Wesley St., C.-on-M., MANCHESTER.

DOES NOT CONTAIN any SCHEDULED POISON.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C. 3.

Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

James V. Oldham
19 St. Dunstan's Hill, London, E.C. 3.

Telephone : Avenue 3013.

THE "NORTH-SEVEN" CASH TILL,
IMPROVED MODEL.

Made from well-seasoned wood, polished Mahogany finish. Size 19 x 10 x 7½ in. Both lid and drawer fitted with lock. Recording paper 2¾ in. wide. Automatically rings warning bell each time cash drawer is opened.

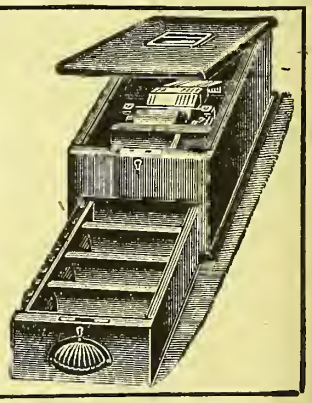
Price £5. 15. 0 each.

The "North-Seven" Till Coils, for use in above Tills, 6/- doz.

Sent on 14 days' trial, on receipt of Cash or two Wholesale Trade references.

DUDLEY & COMPANY, Holloway, London, N. 7.

City Showrooms :
25 WOOD STREET, E.C. 2



TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co. Ld.

The Largest Makers in the United Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office : 4 India B'ngs, Water St, Liverpool.

VITMAR

The Medical Profession are recommending VITMAR for delicate children and Invalids.

If you do not yet stock it your wholesaler will supply you.

Manufacturers:

CALLARD & Co.

Food Specialists,

74 REGENT ST., LONDON, W.1

Business Bringing Blocks.

What About Your Eyes?

(Illustration R. 160a. 3/6)

Are those which illustrate the special feature of your advertisements so that the public can easily understand what you have to sell. Our Business Bringing Blocks make your advert. stand out and draw special attention to Chemists' and Opticians' Advertising. Send to-day for a selection of illustrations available for your town.

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Dispensing Bottles and Vials

Ordinary quality or Quinine-tinted.

Blue Lotion Bottles

Lettered "NOT TO BE TAKEN."

White Flint Hygienic Feeders

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Established 100 Years.

ACETIC ACID

Made in Canada. Highest Quality.

SHAWINIGAN

GLACIAL - 98/100%
80% pure edible

GLACIAL PURE 99/100%
80% technical

Rates quoted to any port in the world by Shawinigan Ltd., 1 Tudor Street, E.C.4, Suppliers of Calcium Carbide for Cutting, Welding, etc.

Telephone: City 3331

For supplies of Acetic Acid in the United Kingdom, write to the distributors—

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STRATFORD

Stocks held in London and Liverpool

MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones: Nitshill—Pollokshaws 14 London—Avenue 5661 (3 lines).

PERRY & HOPE, Ltd.

Telegrams: "Perryope, Nitshill." "Perryope, Led, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

DIAMALT

Plain and with 15% or 33% (by weight) COD LIVER OIL

DIAPARAFFIN

Malt Extract and Paraffin in Powder form.

DRY DIAMALT

Diastasic Malt Extract in Powder form.

The above Preparations are on the P.A.T.A. and allow a 25% margin.

EXTRACT of MALT

Plain and in combination with

NORWEGIAN COD LIVER OIL

in

BULK - JARS - TINS

Name and Address on Labels for quantities of 6-doz. Jars or Tins.
(Selection of Labels sent if required.)

SAMPLES AND PRICES ON APPLICATION.

THE BRITISH DIAMALT COMPANY

(Proprietors: H. A. & D. TAYLOR, LTD.)

Works and Head Office:
SAWBRIDGEWORTH, HERTS.

Northern Agency:
J. B. CROSSLEY, Arcade Buildings, 85 Lord Street, LIVERPOOL.

KING'S WHEATEN FOOD (Malted)

Small size	6 dozen in case
Medium size	3 dozen in case
Large size	1 dozen in case

KING'S PREPARED PATENT COOKED SCOTCH OATMEAL (Fine and Medium)

1-lb. size	6 dozen in case
2-lb. size	3 dozen in case
7-lb. size	½ dozen in case

ABOVE QUANTITIES RAILED IN FREE CASES.

The Medical and Nursing Professions are showing an increasing interest in these Foods.

Both preparations are regularly stocked by the Leading Wholesale Houses, from whom you should have no difficulty in obtaining supplies.

A large and ever-increasing branch of our business is the manufacture of

MALTED COOKED FOOD.

Originally produced to meet the demand for a High Grade Food for sale as

CHEMISTS' OWN PROPRIETARY,

it has for many years been adopted by the leading Manufacturing, Wholesale, and Export Houses.

Quotations for Tins or Tons upon application.

GEORGE KING & COMPANY,

ALBION FOOD MILLS,

1 and 2 SYCAMORE ST., LONDON, E.C.1.

Have you a WINE LICENCE?

If not, you should take steps to procure one, and we will pay the cost.

If you already have a licence we undertake to pay the annual charge.

Dr Hale's VIN-SANGUIS WINE FOR THE BLOOD

The only conditions are—

1. *That you agree to give full display to Dr. Hale's Vin-Sanguis in your premises all the year round.*
2. *That you give us an agreed initial order.*
3. *That you keep Dr. Hale's Vin-Sanguis always in stock.*

Advertising Matter and Doctors' Samples free.

Trans-Continental Agencies, Limited

Proprietors of Dr. Hale's Vin-Sanguis.

14 Southampton Street, Strand, London, W.C. 2.

33⅓ PER CENT. BONUS

The weekly sales of Osmos are steadily mounting. They have now reached an imposing figure and represent a mass of profitable business which is well worth going after. As a special inducement to retailers to co-operate in the present Osmos sales campaign, the Proprietors have allocated a portion of this year's advertising appropriation to provide a bonus in the shape of 4 Free Bottles for every chemist ordering 1 dozen. The condition being that Osmos is displayed in their window until their order is sold.

REVISED PRICE.

Necessitated by enhanced cost of production.

Trade Terms: **26/6** per doz. bottles, carriage paid.

Retail Price: **3/-** per bottle (P.A.T.A.)

Osmos, Crown Wharf, Hayes, Middlesex.

Osmos

The Great British Aperient Water

¶ **The Therapeutical properties of Osmos are equivalent to those of the best-known Alien Aperient Waters. Osmos should, therefore, be sold in lieu of those foreign products. Chemists adopting this practice benefit themselves and their Country.**

You will make a profit of 6D on every sale! - put in your stock

YOU be the first in your district to show this "line" – it will prove a "big seller." There is nothing on the market just like it. Each Tin makes 2 bottles of delicious wine by simply dissolving in water.

G. O. GINGER WINE (CRYSTALS)

AND

G. O. ORANGE WINE (CRYSTALS)

—— Show you a profit of **6d.** on every sale.

Packed in smart 1 dozen outers and containing 8 Ginger and 4 Orange.

We also supply you with attractive Window Bills in 3 colours and smart Showcards.

Retail (P.A.T.A.) 1/6. Wholesale 12/- per dozen.

Send us a P.O. or cheque for 24/- and we will post you on 2 dozen per return, or, if you prefer, include in your next order to your Wholesale House.

THE GREENWICH LEMONADE CO.
11 JOHN PENN STREET, LONDON, S.E. 13

Telephone: Greenwich 947. (J. MILNER, M.P.S., Proprietor). Telegraphic Address: "Cortlimon, Dept., London."

Langley-Smith & Co.

Castor Oils, *Medicinal, Lubricating.*

Colza Oils, *Best Pure, Prepared.*

Linseed Oils,

Best Raw, Double Boiled. Refined,

PURE TURPENTINE

Turpentines,

Best Pure Spirits.

Substitutes,

Best Grades.

Samples and Prices on Application.

14-20 St. Mary Axe
London, E.C. 3.

Telegrams—"Tallowdom London." Tel. No.—Avenue 3820.

RUBY YELLOW GREEN

BRILLIANTINE OILS

Any Quantity—from Stock.
Wholesale Only.

WM. BORTHWICK
1 and 2 Staniforth Place, HULL.

Telephone—Hull Central 4054Y (Trunk only).

INSECT FLOWERS

(Japanese Best Quality).

1919 Crop was only 50 % of that of 1918, and present prices are 400 % higher than 1918. 1920 crop to be harvested May-June is estimated 20 % below that of 1919. If demand continues as at present, the present unprecedently high price will be exceeded.

We have shipped hundreds of tons with unanimous satisfaction to our customers.

Cable us your inquiries.

We are an all British-American firm, specialising in business that ensures satisfaction.

The Mutual Traders,
24 Nakayamate-dori, 2 chome,
KOBE, JAPAN.

Cable Address—"Simsland." [7]

WE SOLICIT YOUR ENQUIRIES FOR:—

OLIVE OILS, finest cream edible, B.P.
SALAD OILS
PETROLEUM JELLY, B.P., White and Yellow
TURPENTINE, American Spirits and Substitutes
CASTOR OILS, all grades
COLZA OIL, finest and burning qualities
ROSIN, all grades.
LINSEED OILS, Raw and Boiled
MINERAL OILS, Bloomless "Lux" Brands
WHITE OILS, Slab and Commercial
LUBRICATING OILS of all descriptions

JAMES ARNOTT & SONS, Ltd., Newcastle-on-Tyne and Cardiff.
Registered Offices: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

White & Half White Oils

WHITE PETROLEUM JELLIES
WHITE REFINED PARAFFIN WAXES

HILTON, RIDER & Co. Ltd.
Manufacturers, Importers, Exporters.
Tel. No. Hop 837 / 2829 *Gt. Suffolk House.*
T.A. "Oilbird" Sedist, London *Southwark, London, S.E.1*

TECHNICAL AND MEDICINAL WHITE OILS.
PETROLEUM JELLIES.
PARAFFIN WAXES.
NEUTRAL OILS.
Debloomed and Undebloomed.
PALE & RED LUBRICATING OILS.
CYLINDER OILS.

W. J. SMITH, *SOLE EUROPEAN REPRESENTATIVE,*
THE JAMES B. BERRY'S SONS CO. Inc.
110 Cannon Street, London, E.C. 4.

CHEMISTS' OVERALLS
From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL	-	16/9	21/-	26/6
WHITE DRILL	-	17/6	19/6	
BLACK DRILL	-	19/6		

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
SPECIAL QUOTATIONS FOR QUANTITIES.
GARDINER & CO. (THE SCOTCH HOUSE) LTD.
1 Commercial Road, E.1.
EST. 1839. Phone: AVE. 6650 (4 lines).

Francis F. Fox & Co. : Bristol

OILS
METHYLATED SPIRIT
CHEMICALS
DRYSALTERY

PRICES ON APPLICATION.

TELEGRAMS—
"FOX BRISTOL."

TELEPHONE—
19 BRISTOL.

We offer

WAXES

—

PETRO. JELLY

—

LIQUID PARAFFIN B.P.

—

WHITE OILS

—

Send us your inquiries.

J. J. FRANSES & SONS,
LIMITED,
80a Southwark St., LONDON, S.E. 1.

If you want the best Drug Labels ask your Printer to use

Jones' Non-curling
Pure
Gummed Papers.

We make a quality for every purpose.

SAMUEL JONES & Co., Ltd.
LONDON, E.C. 4.

Genuine Russian **LIQUID PARAFFIN**
All gravities, correct viscosities

"Jasmine Brand" **ADEPS LANÆ** Superfine Anhydr. and Hydrous
Lanoline

"Jasmine Brand" **PETROLEUM JELLIES**
White and Yellow

"Jasmine Brand" **WHITE OILS** Chem. Pure, Water-white, Tasteless, Odourless
FOR MANUFACTURING PURPOSES

B.P. 1914
Finest Qualities
Competitive Prices.

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.
3 St. Helen's Place, LONDON, E.C. 3.

Actual Refiners and Manufacturers at their Works near London.

WOOL GREASE
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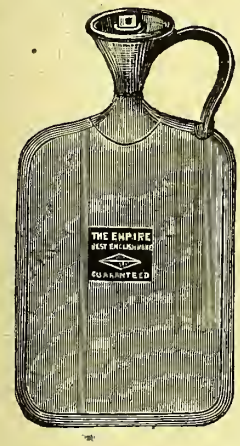

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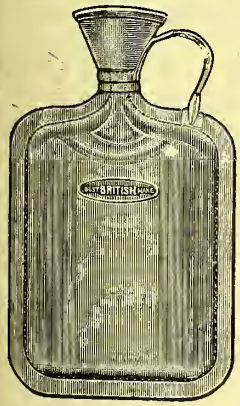

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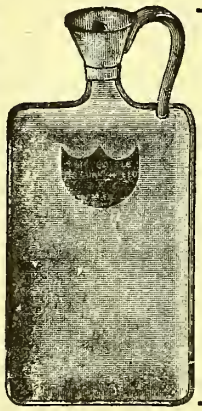

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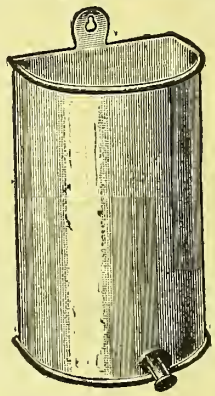

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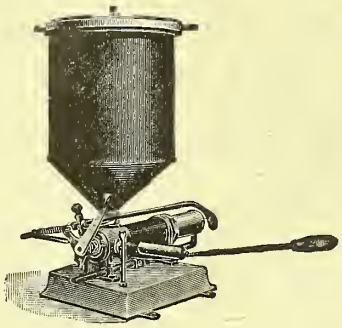

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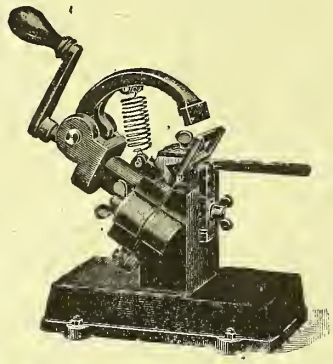

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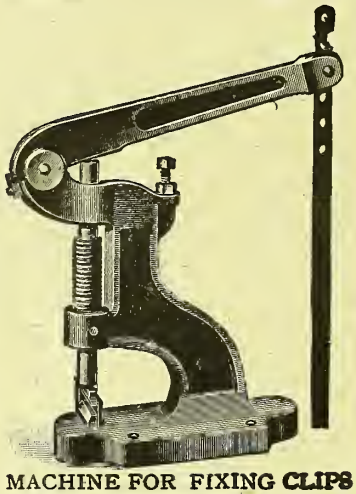

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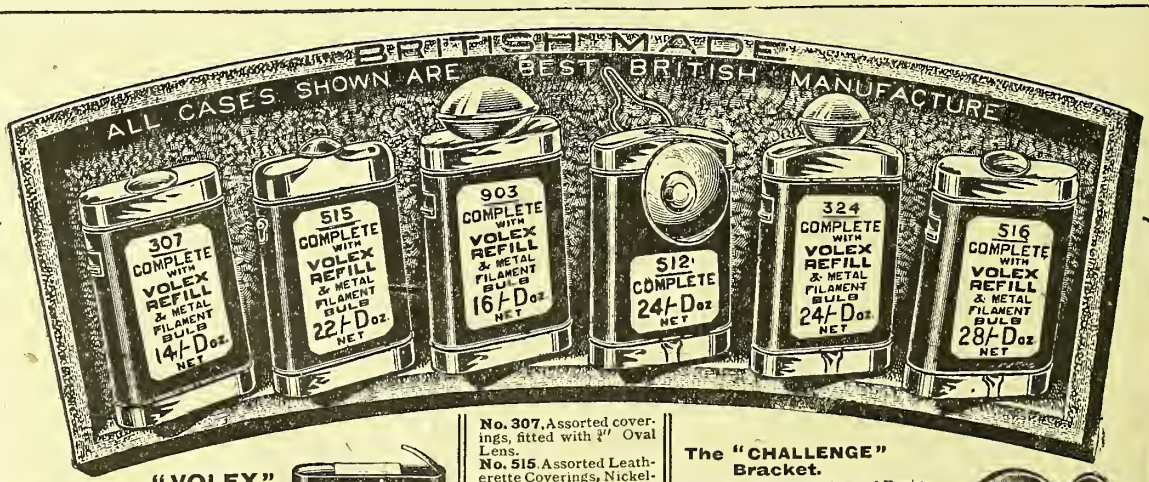

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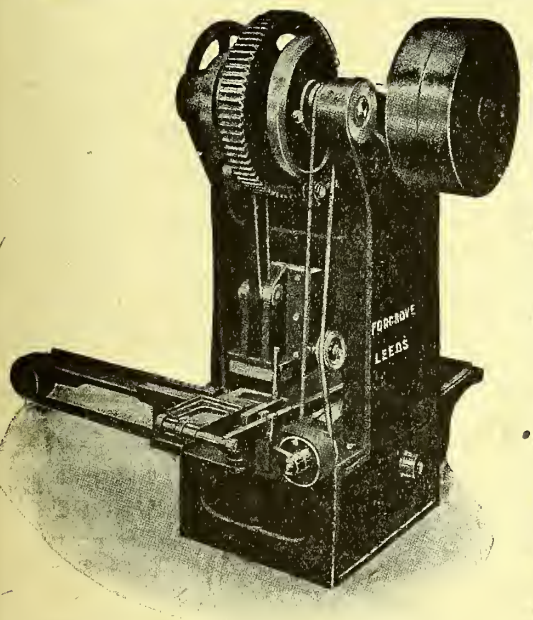

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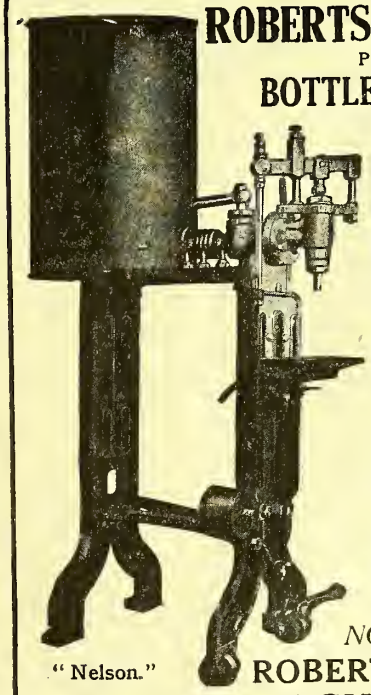

ROBERTS' ORIGINAL
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BOTTLE-FILLING MACHINES

Don't waste money on imitations, buy **Roberts' Machines** which actually **Created the Records** for **CLEANLINESS SIMPLICITY and Rapidity in Bottle Filling.**

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FILLING MACHINE CO.,
33 ROUNDCROFT ST., BOLTON.

OUR LATEST PATENT "ALPHA," PRICE £14, WILL FILL 10 GROSS BOTTLES PER HOUR.

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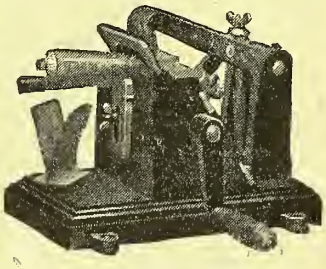
INCREASE YOUR OUTPUT AND SAVE LABOUR

BY USING THE

"CENTRAC"

FILLING MACHINES

For TUBES, POTS, JARS and BOTTLES



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The Best and Cheapest Machines on the Market.

Used by all Leading Firms.

Send us your requirements.

Sole Makers—

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ENGINEERS,

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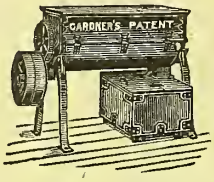
"RAPID" SIFTERS & MIXERS



OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

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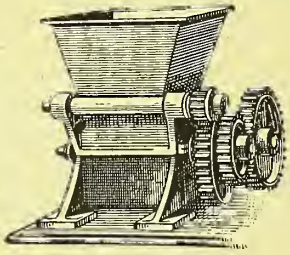

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"Corruganza" SEAMLESS Ointment Boxes

Have replaced the old willow boxes.

The bottoms cannot fall out.

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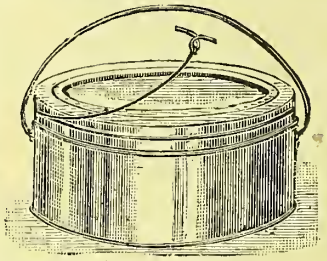

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TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Prompt Deliveries Assured.

POCKET LAMPS, TORCHES, & DRY BATTERY REFILLS, BATTERIES FOR HAND LAMPS ETC

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New list now ready, write for copy.

BATTERIES

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All Batteries bearing this Label can be absolutely relied on.

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Packed in cardboard outers containing 3 dozen Batteries.

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We Manufacture all we sell. We have representatives in Manchester, Glasgow & Ireland. Wholesale & Shipping only supplied.

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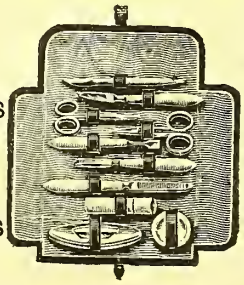

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Sales Offices - 68 Blackstock Rd., Finsbury Park, N.4. Islington & Finsbury Park, London, N.4.

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Could you supply Movol if you were asked for it?

THE continued high prices for new white linen is making Movol very popular. "A cover stained with Ironmould loses its terror where the Movol magician is, and so easily, too" —this is what *your* customers are reading every week.

Could *you* supply Movol if you were asked for it or would you have to turn them away to "the other man?"

By a judicious display of Movol showcards and a moderate supply of handy tubes these ladies will come *your* way. And why not?

TRADE MARK
MOVOL
Regd.

STAIN REMOVER

Removes Ironmould, Rust, Fruit and Ink Stains from White Linen, Clothing, Marble, etc.

Send a postcard to-day for particulars. A quantity of Showcards will be sent with your supply. Write the Makers—

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"Mayfair" Straw Hat DYES.

Mayfair Chemical Co.,
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Tel. No.: City 3373.
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For quickly producing a perfect Polish on Floors for Dancing.

Handsome three-coloured Enamelled Tin, Perforated Top.

P.A.T.A. **1/6** Per Dozen, **13/6**

LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants and Manufacturing Chemists,
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WHOLESALE ONLY

We Specialise in the Manufacture of

GLASS STOPPERED BOTTLES

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Stoppering Guaranteed. Prompt Delivery.

MOULDS for Special Shapes made at these Works.

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Globe Works, Chatsworth Road, Clapton, London, E. 5

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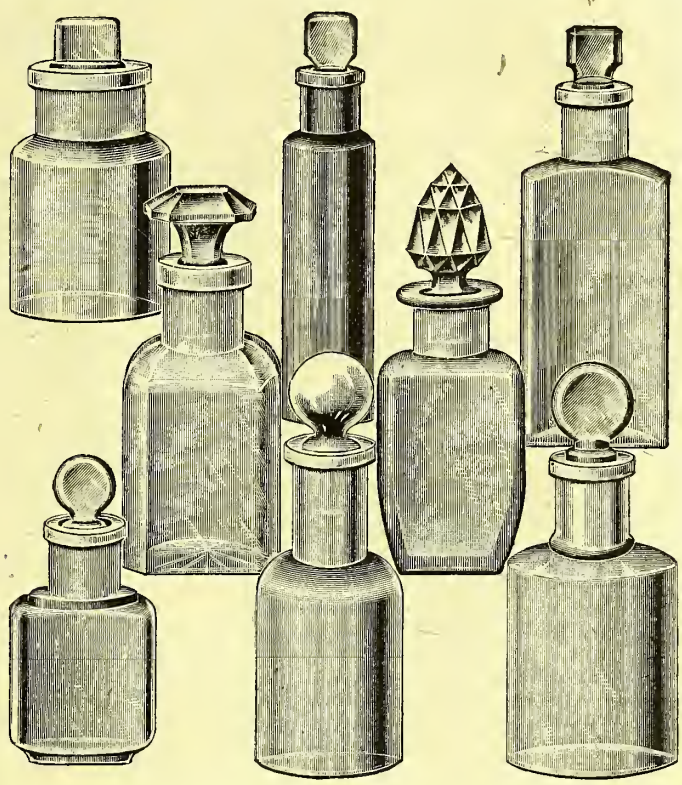
Tel. Add.: "Acetized, Hack, London."



The finest investment you can have, for the advertisement is worth the cost of the bicycle.

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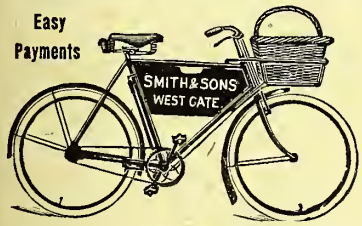

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TWO STRONG BRAKES

WHEELS 26 × 1¾

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VARNISH PAINTS

An entirely new preparation combining the covering power of best oil paint with the lustre and durability of enamel. Far superior to varnish paints usually sold, and no higher in price. Supplied in 1, 4, and 7 lb. Tins.

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In 1, 2, 4, 7, and 14 lb. Tins. Write for complete price lists of Paints, Varnishes, Enamels, etc.

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OVAL SCREW-TOP TINS

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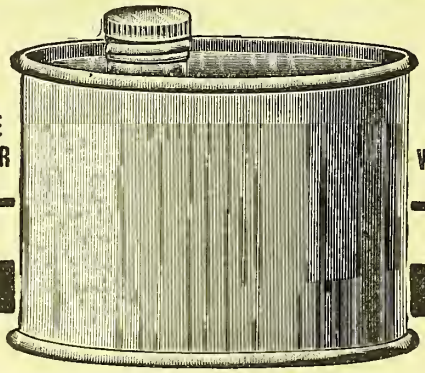
A FINE OFFER



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NOTE.—No smells, fumes or benzine-fire risks with this Capping.

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Capping Materials Specialists,

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PHONE: CLERKENWELL 1588. WIRES: "ETNOCEL, AVE, LONDON."

COLLAPSIBLE TUBES

Screwed-Cap or Torpedo Nozzle.
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Pure Tin or Composition.
Standard or Special Designs.

We are makers of the highest quality of Collapsible Tubes by the latest and most up-to-date machinery. You can depend upon every tube being uniform in size and quality, and every cap a perfect fit, by purchasing from us.

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Collapsible Tubes & Specialities, Ltd.

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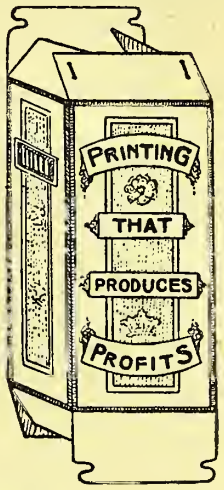
"We Advertise Our Goods" To Sell Yours.

Attractive Packing is the Best Proposition for Producing Results. Well-Designed Printing Helps. Our Experience has been Gained for Your Benefit.

Why Not Take Advantage?



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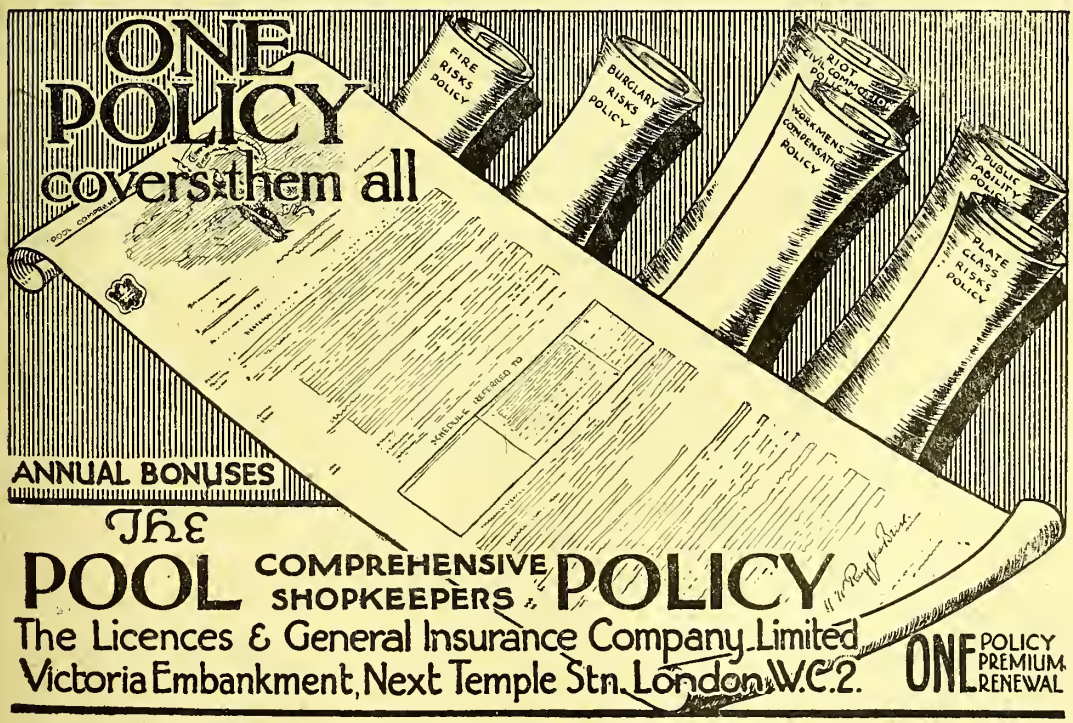

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Disinfecting Fluid,
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Carbolic Acid (LIQUID and CRYSTALS),
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THE BEST ON THE MARKET.

Actual size.

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Obtainable through all Wholesale Houses.

ANOTHER BIG RAT CAMPAIGN
NOVEMBER 1 to 6.

Get Your "RODINE" Supplies Now.

The Board of Agriculture have fixed November 1 to 6 as the Rat Week and the effort is to be a big one. Rat Officers are asked to enrol the aid of Landowners, Farmers, Poultry-keepers, Millers, Military Authorities, Boy Scouts, etc. Everyone is to be a Rat Fighter. Be sure you equip them with the right weapon for this Rat War. Let them all have

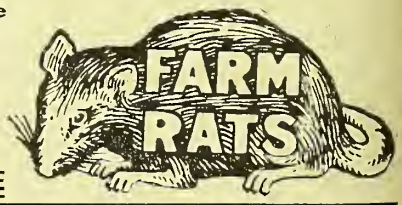
"RODINE" REG.
THE RAPID RAT REMOVER

Mr. Wyllie, Chemist, Edinburgh, writes:—"Please send on more 'Rodine.' There is no rat poison has its equal as regards sales and effectiveness in the destruction of Rats and Mice."

See to your stock now. Get ahead of the Rat Week.

Post your order at once to the Maker,

HARLEY,
Manufacturing Chemist,
PERTH, Scotland.



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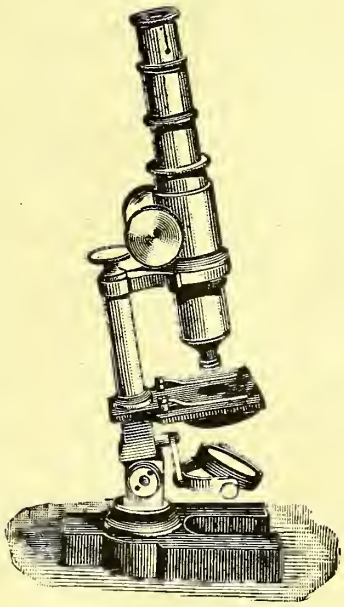

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For Qualifying, Apothecaries' Hall and Preliminary Examinations.

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(Opposite City School of Art).

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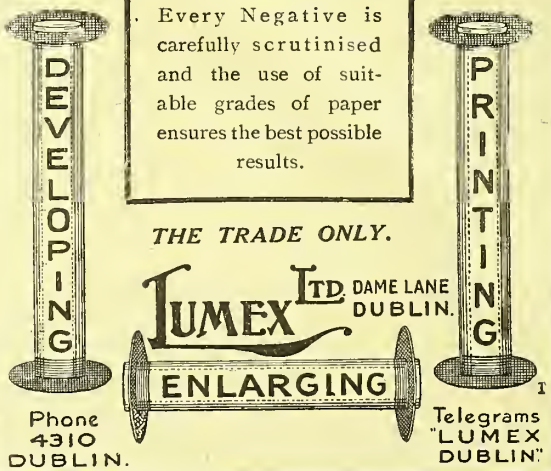

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Thorough, systematic coaching in preparation for these Examinations and personal guidance throughout. The courses may be commenced at any time and they are so arranged as to extend over any period to suit individual requirements.

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A Student writes: "I should like to say from having worked through only the first set of your lessons, that your Course is admirably written and is in every way most readable and adapted even to one who has never studied Optics at all; and you have treated the subject in such a way that it is not an exaggeration to say that one might almost learn from your lectures alone and that text-books would be unnecessary."—H.D.

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GLOW-WELL LINIMENT

Autumn

——the awakening of the sporting instinct in every English man and woman—keen rivalry on the hockey, football and Rugby fields—numerous hard knocks and stiff, strained and weary limbs.

On the other hand, there are numerous ailments attendant on the cold wet days of Autumn—Rheumatism, Bronchitis, Sciatica, etc.

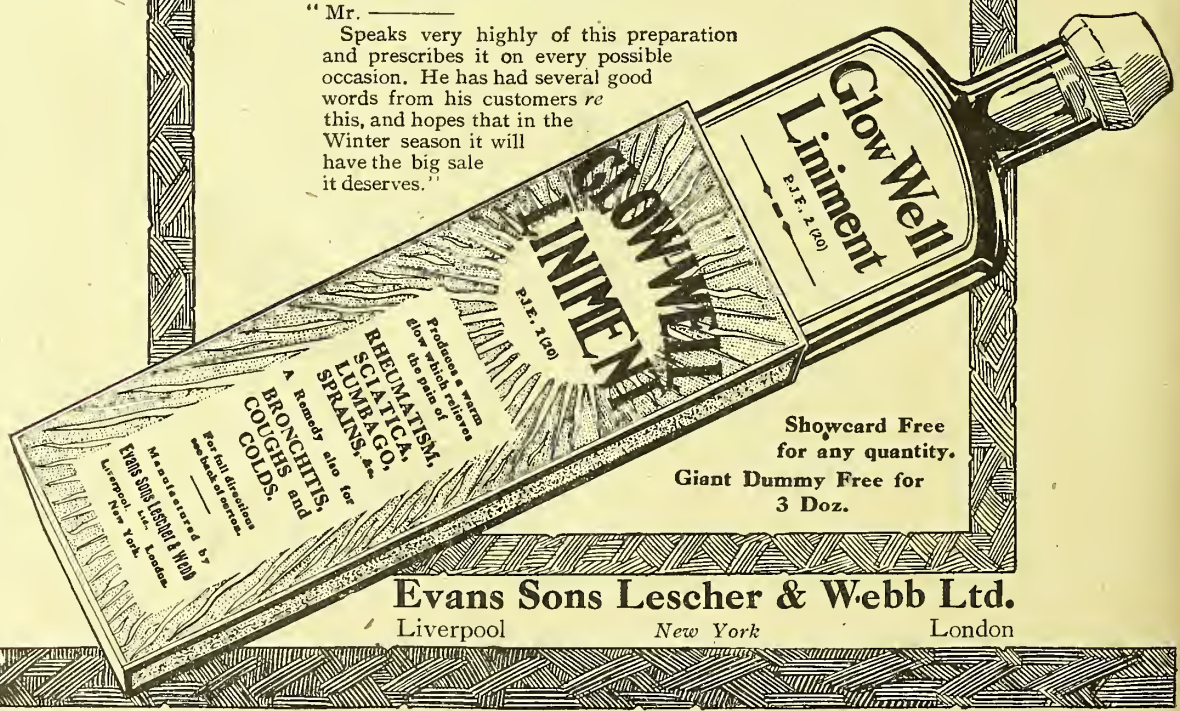
There's the demand, and here's the remedy—GLOW-WELL LINIMENT—is efficient, and its efficacy lies in its warming and pain-drawing properties which obviate the necessity for vigorous rubbing. The formula is an admirable one. The prices will help you to realise that GLOW-WELL can be as popular from your personal point of view as from the public's.

Minimum Retail		Wholesale	
3-oz. size **1/3**	**11/3** doz.	6 doz. @ **10/9**	12 doz. @ **10/3**

to Account.

The following is a typical Testimonial:

"Mr. ———
Speaks very highly of this preparation and prescribes it on every possible occasion. He has had several good words from his customers *re* this, and hopes that in the Winter season it will have the big sale it deserves."



Showcard Free for any quantity.
Giant Dummy Free for 3 Doz.

Evans Sons Lescher & Webb Ltd.
Liverpool *New York* London

(108)

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON, E.C.4.

OCTOBER 23, 1920

This Supplement is inserted in every copy of The Chemist & Druggist

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that, in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case

ADDRESSED WRAPPERS STAMPED ONE PENNY

must be sent. Loose stamps will not be accepted.

EARLIER CLOSING FOR PRESS.

Will advertisers please note that until further notice it will be necessary that Advertisements intended for the Supplement must reach us not later than the FIRST POST THURSDAY MORNING.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION,

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.—MIDDLESEX (Suburban).—General Retail Business, with I.I. Dispensing; returns £20 weekly, with scope for increase; gle-fronted shop, nicely fitted; ample stock; extremely low t; price to be agreed equitably.

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.—ESSEX (Popular Watering Place).—Retail and Dispensing iness; all good middle-class trading; returns £2,500; opening extended trade; comfortable residence; held on lease.

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9.—GREAT EASTERN MAIN LINE.—Very old-established Business, situate in the centre of market town; attractive shop, fully stocked, above the average; returns about £6,500; excellent profits; terms, valuation and sum for goodwill, or lump sum entertained.

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11.—NORTH-EAST COAST.—Lock-up Pharmacy; returns, present rate, £70 monthly; scope for considerable increase; *net profit* 25%; rent £30; new lease will be granted, or premises may be purchased; price to be agreed.

12.—MIDLANDS (Large Town).—General Retail and Dispensing Business; established many years; returns exceed £60 per week; *net profit* 25%; held on lease at a rental of £80; price to be arranged.

13.—HEALTH RESORT (within easy reach of London).—Light Retail Business, chiefly ready money; returns approach £8,000 per annum, at usual prices; scope for further development; attractive, well-fitted shop, heavily stocked.

14.—SOUTH COAST.—Old-established Business, mostly own Proprietaries and Prescribing; returns last year between £11,000 and £12,000, at excellent profits; further details on application.

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Messrs. O & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

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NO CHARGE TO PURCHASERS.

1.—BUCKS.—Sound Light Country Retail, in best portion of small market town; returns over £2,250, increasing; easily worked; large house and garden; stock and fixtures worth £1,100; price £1,600, or £2,700 including freehold; £600 can remain on mortgage.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH have at the present time several clients desirous of purchasing Businesses within 100 miles of London, requiring cash from £1,500 to £3,000. Also in suburban London, £1,000 to £2,000.

We can guarantee quick sales with the utmost privacy; particulars received in strictest confidence. Terms sent on application.

STOCKTAKING VALUATIONS.

We are now booking dates for November and early December. All valuations promptly and carefully carried out.

ESTABLISHED 1870.

THE ASSOCIATION OF MANUFACTURING CHEMISTS

— LIMITED —

Chemists' Transfer Agency, Auction and Valuation Department,

Head Offices—31 Kimberley House, 14-17 Holborn Viaduct, London, E.C.1

Telephone: City 6942. Teleg. Add.: "Asmanist. Cent, London."

Liverpool Office—35, 36, 37 Exchange Chambers, 2 Bixteth Street - - - - Liverpool

We have the following Businesses for disposal;

SUTTON, SURREY.—Good old-established Retail Dispensing Chemist's Business; held on lease, with 16 years to run; rent £100; excellent dwelling accommodation; well-fitted shop; good stock; returns average £30 per week; scope for increase; offers invited.

SOMERSET.—Good-class Family Retail, in main thoroughfare of busy town; further particulars on application.

PICCADILLY.—Retail Dispensing Chemists; lock-up shop; rent £95 p.a.; tenancy agreement with six years to run; returns average £1,800 p.a.; majority ready money, but good accounts carried; stock estimated £600; under management; in present hands four years; nicely fitted; net profits estimated £350; offers invited.

BUCKS.—Good-class Retail and Dispensing Business in main thoroughfare of busy town. Fullest particulars on application.

SOUTHEND-ON-SEA.—Good Retail Dispensing Business; bold corner shop and excellent living accommodation; returns average £50 per week; long lease and reasonable rent; very nicely fitted and excellent stock.

We have a large number of Chemists on our Register requiring Businesses on the South Coast and West of England, and should be glad to hear from intending Vendors, with full particulars of their Businesses. Our methods are strictly confidential, and we are constantly in touch with genuine Buyers, both Wholesale and Retail. Valuations prepared for Purchase, Sale, Income Tax, Balance Sheet, Probate, etc.

BRETT & CO

All Valuations have the personal attention of F. J. Brett, M.P.

Transfer Agents & Valuers,

73 LAUREL ROAD, LEICESTER.

Telephone: 1934.

Wanted, a Business, Midlands, returning from £3,000 £4,000; good General Light Retail.

Also three Businesses with good Dispensing; South, or wit 100 miles of London; returns £2,500 to £3,000; other two fr £3,000 to £5,000.

Also General Retail in good market town; cash in hand £2,0

For all the above we have cash buyers.

We have Buyers with Cash Ready for all Classes a Sizes of Businesses.

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Wm. ROOKE ROBERTS, M.P.S., F.S.I

175 Victoria Street, S.W.1. Tel.: Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet, S

Recommended by The British Drug Houses, Ltd., Messrs. Megg Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wh sale Houses. Valuers to the Association of Manufacturing Chem

STOCKTAKING IS NOW A BUSINESS NECESSITY

Write for Terms to

Ernest J. George

202 Birmingham Road,

(Thirty Years' Drug Trade Experience) ***Walsall.***

Chemists' Accountant, Valuer, Transfer Agen and Expert Stocktaker for Sale, Purchase Income Tax, etc.

Books Written Up. Balance Sheets Prepared. Prescriptions Priced.

LEGAL.

EXECUTORY NOTICE.

Persons having claims against the late Mrs. Lily Morr who carried on a Chemist Business at 72 Elm Row, Edinbu and resided at 17 Hillside Street, are requested to lodge the with the subscriber within fourteen days from this date.

MACKAY & YOUNG, S.S.C.,
Agents for the Executo

37 York Place, Edinburgh,
23rd October, 1920.

FOR SALE.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid

The Advertiser may, if preferred, have replies addressed t **Office**, and forwarded on payment of an additional charge of

ABOUT 10 oz. Santonin; mahogany Dispensing Screen, n back, about 6 ft. × 6 ft.; mahogany Perfumery Case Counter Case, 3½ ft. × 1½ ft. Reply to Hopwoods Ltd., W sale and Retail Chemists, 345 Scotland Road, Liverpool.

FOR Sale, "Amadon," about 60 lb.; what offers, whole or Apply 23/33M, Office of this Paper.

1919 FORD Touring Car, self-driven, right hand, six w speedometer, etc.; also separate speedometer, Chair, and Dental Lathe. Doubleday, 100a High Street, ford.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

HESHIRE.—Sound General Retail with Optics; genuine disposal through illness; returns last year exceeded £2,500; l net profit; lease 5½ years to run; in present hands 20 years; hours and no Sunday duty. Apply "H. N." (178/16), Office his Paper.

ERTFORDSHIRE (10 miles from London).—Sound Cash Business, in rapidly growing district, for Sale, owing to ill-th; excellent scope for quick increase; modern fittings; central tion, next post-office; no near opposition; net profit about 0, easily doubled; exceptional opportunity. Apply 177/6, e of this Paper.

ANCHESTER DISTRICT.—Good-class General, Mixed, and Dispensing Business in manufacturing town 12 miles from chester; easy hours; no Sunday duty, and closed all the half-holiday; little opposition; no multiple shops; rent £35 4s. annum; portion of premises sublet at £26 per year, leaving a rental of £9 4s.; annual turnover £3,000; price asked for k sale £2,000; very little N.H.I.; plenty of scope for increas-business; owner going into a manufacturing business. Apply /14, Office of this Paper.

MEDIATE Possession.—Pharmacy in Agricultural District; good position; double front; well fitted and fully stocked; sant house, facing south; fruit and vegetable garden; lawn poultry houses; freehold property; for Sale, with immediate ession, or lease. Full details and prices on application to ricola" (180/24), Office of this Paper.

AIL-ORDER SPECIALITIES.—Immediate Sale; big profits; registerd trade-marks, formulas, etc.; established over 14 s; £250 cash price for goodwill; put-up stock at net cost printing; principals only answered who give their bankers'. "Progress" (25/8N), Office of this Paper.

ELL-ESTABLISHED Drug and Dental Business for Sale, situate on leading road in Belfast; well-fitted shop, fully ed; good position for Ph.C.; increasing turnover; ample room mprovement; price to be agreed; satisfactory reason for dis-. Apply 178/25, Office of this Paper.

BUSINESSES WANTED.

s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

EDS.—Genuine Business required, or Partnership with view to succession; cash available. Fullest particulars to 180/28, of this Paper.

SINESS wanted in Liverpool or thirty miles' radius; living accommodation preferred, but not essential; cash available. ulars, in confidence, 180/32, Office of this Paper.

PENSING and Retail Business wanted in good position large town; returns not less than £1,800; good premises, fitted; wide scope for rapid increase; neglected business ained, provided there is basis of large good-class business; Apply 180/29, Office of this Paper.

OD-CLASS Retail, Dispensing, or Store Business wanted; £4,000 to £7,000 turnover; bank references if necessary. ulars, in confidence, Parker, Chemist, 8 Stockwell Terrace, am Road, S.W.

LL Drug Store wanted; neglected one not objected to, or suitable empty shop; accommodation preferred, but not ial; in or near London. Full particulars to "R.," 46 way Road, Croydon.

LL Pharmacy wanted, Coast, or near, in Southern County; ne capable of increase; would buy freehold, or management t to succession; partnership would be entertained; cash for a genuine Business. E., 35 Hampton Place, Brighton.

NTED, good Drug Store in select position; returns not less han £30 per week; house attached; every investigation ary, also trial; letter treated with confidence. Reply, in first e, 178/8, Office of this Paper.

NTED, Liverpool or Manchester or district, Chemist's Business showing a good return. "Rhei," c/o Messrs. & Saunders, Liverpool.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BUYING Agents wanted for the best Pocket Inhaler made; pleased customers; repeat orders; always ready; no glass to break; will last for years; enclose stamp for free sample. C. T. Fussell, Manufacturer, 78 Devonshire Road, Hackney, London.

REPRESENTATIVE or Resident Firm, as Wholesale Agents, required for South Africa, by a well-known firm of Chemists' Specialists, whose products, including Perfumery and Druggist Sundries, are already well known on that Continent and enjoy a ready sale, but during and since the war has been somewhat neglected. Apply by letter to "Progress" (29/230), Office of this Paper.

TRAVELLER wanted, calling upon Wholesale Druggists and buyers of Cod-liver Oil, to make offers and push the sale for the supply of the finest C.L.O., either spot or for shipment. Write, in first instance confidentially, with fullest information, territory covered, other lines carried, commission expected, etc., etc., to Dennis, 62 London Wall, E.C. 2.

FINANCIAL.

A WELL-KNOWN Chemical Manufacturer seeks additional capital for the purpose of acquiring new premises and plant for the execution of business offering far in excess of possible output of present works; accountants' figures certifying highly profitable working for the last 10 years can be furnished, as also proof of world demand in increasing quantities for finished products, ability to meet home and foreign competition and availability of raw material; amount required £25,000 in the case of a manufacturing concern having land and steam available, or £50,000 otherwise; principals only. Please write 4/69B, Office of this Paper.

THE Proprietors of a high-class, well-known Business in the South of England is about to convert the business into a Private Limited Company. As he is wishful to ease off somewhat from business, an opportunity occurs for a gentleman, with capital, who has been accustomed to high-class Dispensing, with keen business ability, enthusiasm, initiative, and energy, to join the firm as Assistant Managing Director; the present returns are £10,000 per annum; every investigation will be allowed and expected; all applications, which will be treated as confidential, must be accompanied by a banker's reference; it is probable that no application will be replied to before December 1st; no agents need apply; the advertiser is prepared to wait for a suitable applicant. Apply 207/42, Office of this Paper.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

DIRECTORSHIP in small, progressive London Company offered to gentleman willing to invest £600 in 10 per cent. debentures; particulars at interview only. Apply 180/21, Office of this Paper.

GENTLEMAN, qualified, with capital, age twenty-four, wishes situation with good-class Dispensing Chemist, with a view to a Partnership or purchase, either shortly or in a few years; advertiser has had good experience in Dispensing and good-class Pharmacy, and is well recommended. Apply 179/17, Office of this Paper.

LONDON Manufacturer of leading Fine Chemicals, etc., with extensive premises and plant, and sound connection, desires amalgamation with Wholesale house, or would consider private Partnership. Write 28/31, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CITY OF BRADFORD INFANTS' DEPARTMENT.—Wanted, a Head Dispenser; salary, non-resident, £217 12s. per annum, including war bonus. For particulars and form of application apply to Chief Medical Officer, Infants' Department, Morley Street, Bradford.

DERBYSHIRE.—Qualified Assistant required for middle class Retail with N.H.I.; hours moderate; no Sunday or holiday duty. Reply, stating age and salary, to 177/34, Office of this Paper.

LONDON (Central).—Outdoors; young unqualified Junior (male), for brisk Retail; no Sunday or holiday duty. Full particulars to Crowe & Co., 19 Air Street, Regent Street, W.1.

LONDON, WEST-END.—Part-time Assistant (male) required for relief work in high-class Retail and Dispensing business. Reply, stating time available, etc., 178/18, Office of this Paper.

LONDON, W.2.—Young qualified Assistant wanted at once; good Dispensing experience essential; please state salary required (outdoors) and all particulars in first letter. Apply 179/4, Office of this Paper.

MANCHESTER SUBURB.—Junior Assistant, unqualified, for Dispensing Counter, wanted at once. Apply, enclosing photo and usual particulars, to Gordon Smith (late Jacklin), Chemist, Hale, Cheshire.

UNIVERSITY COLLEGE HOSPITAL, Gower Street, W.C. 1.—Wanted, Assistant Dispenser, holding Pharmaceutical Society's qualification; hours 9 to 5, Saturdays 9 to 1; six hours additional duty every third week; commencing salary £165 per annum; lunch and tea provided. Apply to C. H. Hampshire, Pharmacist.

WEST DERBY UNION, WALTON INSTITUTION.

The Guardians require the services of a DISPENSER. Salary (including war bonus) £250 per annum, subject to a deduction under the Poor Law Officers' Superannuation Act, 1896. To devote full time to the duties. Pharmaceutical Society's qualification, and to be duly registered.

Applications, stating age, present employment, references, etc., to be sent to me not later than Monday, 25th instant.

HARRIS P. CLEAVER,
Union Clerk.

Union Offices,
Brougham Terrace, Liverpool.
14th October, 1920.

YORK.—Junior (or Improver), for good-class Store business; must have practical knowledge of Photography and be well recommended. Age, height, salary required, and photo (if possible), to Brown's Drug Co., Rexall Pharmacy, York.

A GOOD Junior; Dispensing and Agricultural experience preferred; outdoors. State salary, experience, and usual particulars, with photo, if possible, to Sharp, Calne, Wilts.

ASSISTANT wanted for London, S.W., single (outdoors), for Dispensing, Stock, and Window-dressing. In reply, please give usual particulars as to age, experience, references, and salary to 180/7, Office of this Paper.

HOSPITAL FOR WOMEN, SOHO SQUARE, W.—Vacancy for Pupil for Apothecaries' Hall examination in above Hospital; excellent practical experience. Apply Pharmacist.

JUNIOR Assistant or Improver for good-class Dispensing business; outdoors; would suit one just finished apprenticeship; state full particulars, in first letter, of age, experience, and salary required. Chas. Lowe & Co., Surbiton.

JUNIOR Assistant (outdoors); energetic and trustworthy; permanency; good prospects for suitable applicant; hours 9 to 7.30, Thursday 1, Saturday 8.30; no Sunday duty. State age, height, experience, references, salary required, and when disengaged; enclose photo, to be returned. L. J. Reede, Pharmaceutical Chemist, 17 Lichfield Street, Wolverhampton.

JUNIOR Assistant, for good-class business; outdoors; about 20-25; of good appearance, smart, and reliable; knowledge of up-to-date Window-dressing and Photographic work essential; state in first letter fullest particulars of previous experience, when disengaged, salary required, and necessary references. Chater, Chemists, Wanford.

MR. HUBERT B. FIGG, Pharmacist, Berkhamsted, has a vacancy for an Assistant (lady preferred); must have had experience in Retail Pharmacy, Dispensing, etc., knowledge of Photography an advantage; with reply, state experience, age, height, references, and salary expected; sent photo (if possible), to be returned.

QUALIFIED Assistant required (immediately) for busy working N.H.I. and middle-class business; suit middle-aged active man, with good references; please state salary required (outdoors). Apply to T. Johns, Chemist, Tilbury Dock.

UNQUALIFIED Assistant (male), wanted in good-class Retail and Dispensing business (no N.H.I.); must be quick and accurate Dispenser, with knowledge of Photography; outdoors. Apply, giving full particulars, to "Surrey" (180/18), Office of this Paper.

MUNICIPAL TECHNICAL COLLEGE, SWANSEA.

Acting Principal: T. Gilbert Jones, M.Sc., Wh.Sc., A.M.I.C.E

LECTURESHIP IN PHARMACY.

Applications are invited for the above Lectureship. Salary £400 per annum. The appointment is a whole-time one in the Chemistry Department of the College.

The Lecturer will be briefly required to give instruction in Pharmacy and Materia Medica to students preparing for the Professional Examinations of the Pharmaceutical Society of Great Britain, but qualifications in Botany and Chemistry are desirable.

Applications, stating age and particulars regarding training, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned not later than Monday, November 1st.

T. J. REES, B.A.,
Director of Education.

Education Offices, Swansea.
11th October, 1920.

PHARMACEUTICAL SOCIETY OF IRELAND.

The Council will on November 10, 1920, proceed to the appointment of Examiners to conduct Examinations as under mentioned:

(a) The Pharmaceutical Assistant Examination; and
(b) The Registered Druggist Examination.

Full particulars may be obtained from the Registrar, with whom applications should be lodged by the 2nd proximo.

ARTHUR T. FERRALL,
Registrar.

67 Lower Mount Street, Dublin,
October 18, 1920.

WANTED (about November 22nd), for West Wilts, a smart qualified Assistant, thoroughly experienced, for Dispensing Counter, etc.; easy hours; no Sunday duty; Junior kept; full particulars, age, salary, etc., and photo. "H. T." (179/[illegible]), Office of this Paper.

WANTED, young lady Assistant; experienced in Dispensing and Light Retail business; short hours; in- or out-door; applications not answered in three days declined. Apply, stating experience, salary, etc., and when at liberty, Seth Harry, Chemist, Okehampton, Devon.

WANTED, for Yorkshire Institution, qualified Dispenser; state fully qualifications, experience, age, wages. "No Biding" (172/26). Office of this Paper.

WANTED, on partnership terms, a steady and competent Dental Assistant; Operator, Mechanic. Send full particulars as to experience and salary required, to 179/16, Office of this Paper.

WHOLESALE.

LANCASHIRE house desires to enter into correspondence with a gentleman as Representative, calling upon Doctors and Chemists, in a well-established connection in Lancashire and Cheshire. Applicants must be well educated and have a sound commercial knowledge of the Drug trade. Please state qualifications, experience, etc., in strict confidence, to 14/27H, Office of this Paper.

LINCOLNSHIRE AND EASTERN COUNTIES (excluding Essex).—A Resident Representative required by Pharmaceutical house to work this territory; an established connection with Pharmacists and Medical Men in this area is essential. Apply with full particulars, previous experience, salary required, etc., to 48/1B, Office of this Paper.

A FIRST-CLASS City firm of Manufacturers and Dealers in Druggists' Surgical and Toilet Sundries, Manicure Goods and Requisites, and Fancy Toilet Goods, has a vacancy for a well-educated young man; not over 30; ambitious, and possessing initiative. Must be a hard worker and able to assist the management in the supervision of various departments; ability to deal with correspondence and office routine, and previous experience in a similar first-class concern will be given prior consideration. Applications from smart young men from the Retail trade (recommended) will be considered. The position offers permanent prospects for the right man, and an ultimate position on the managerial staff. Apply by letter, giving full particulars as to age, experience, and salary expected, to 33/21B, Office of this Paper.

CHEMIST wanted, experienced in the manufacture of Pharmaceutical Chemicals (Alkaloids, Resins, etc.); good salary will be paid to the right man. Address replies, which will be treated in strict confidence, to 5/35C, Office of this Paper.

ABORATORY MANAGER.—Goodall, Backhouse & Co., Manufacturing Chemists, Leeds, require (immediately) a oroughly capable man to take charge of their manufacturing aboratory. Applicants must be qualified, and have had previous perience in the making of Tinctures, Syrups, Milled Ointments, d Pharmaceutical and Toilet Preparations generally, on modern nes, and be able to carry out the usual alkaloidal and other timations. Energy, ability to introduce new lines, and control aff, and familiarity with modern plant, are essentials. Apply n confidence), giving full particulars in first letter, to W. P. owman, c/o the above.

MART Wet and Dry Counter Hand required for Wholesale Chemical firm. Write, stating age, experience, and salary quired, to P.C.B. 27/36, Office of this Paper.

TABLETS.—Wanted (at once), a young man with experience in the manufacture of Compressed Tablets, and willing to assist Pharmaceutical Laboratory as occasion requires. Apply, stat- g experience, wage required, etc., to Goodall, Backhouse & ., Wholesale Druggists, Leeds.

THOROUGHLY smart and experienced Salesman required to introduce new Dentifrice on novel lines; liberal remunera- n to thoroughly capable man. Apply by letter, giving refer- ces, to Spa Toilet Co., late Elite, Church Walk, Leamington.

WANTED, by a Firm of Manufacturing Chemists,
FIRST-CLASS REPRESENTATIVES,
ON COMMISSION BASIS,
for the sale of
CINEMA, HOUSEHOLD, HOSPITAL, SANITARY, SURGICAL, AND FACTORY DISINFECTANTS.
Apply to 175/12, Office of this Paper.

WANTED, by London Office of Chemical Manufacturers, a well- educated and responsible man, about 25, to take charge of ers, invoicing, office records and stocks; previous experience initiative essential; progressive position offered to really erprising man; when replying state age, experience, and salary uired. Apply 178/2, Office of this Paper

WANTED, Junior for Dry Room; Counter experience essential; state age, wages, etc. W. A. Wharram, Ltd., Wholesale mists, 34 Lady Lane, Leeds.

WANTED, by young and progressive firm, qualified Pharmaceutical Chemist for Manufacturing; must be energetic, good plinarian, experienced with latest production methods and anufacture of Ointments, Medicated Syrups, Jellies, Pastilles; applications acknowledged and treated in strict confidence. te, stating experience, age, terms, to Box 542, The Wallis- mond Service, Wardrobe Court, 146a Queen Victoria Street, . 4.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

ANGHAI.—Qualified Junior Assistant required for old- established Chemists; four years' agreement; salary 300 ican dollars per month, with quarters; passage paid out and e; previous first-class experience essential. Write "A. V. A.," n Bros., 82 Middlesex Street, London, E.C.

UTH AFRICA.—Qualified Chemist; one with knowledge of Optics preferred; must be total abstainer and willing to n Afrikaans, the official language of the country; salary first £20 per month, second year £30 per month; three years' ement; second-class passage paid out and home. Apply H., Export Department, S. Maw, Son & Sons, Ltd., 7 to 12 rsgate Street, London, E.C. 1.

TAVERA, Directeur, The English Pharmacy à Menton, 27 rue St. Michel, demande bon assistant pour Pharmacie aise, mais parlant bien le Français. L'assistant serait essé dans les affaires. Il ne sera répondu qu'aux lettres es en Français par leurs auteurs. Menton est le séjour le ideal de toute la Riviera. Donnez des références.

esire particularly to draw the attention of Colonial and reign Subscribers to the fact that in cases where they quire partners, agents or assistants, or wish to sell their usinesses, an advertisement in this Supplement, placed every copy of "The Chemist and Druggist," should be he readiest means of helping them to attain their object. he tariff for such announcements is given under the a pro- riate headings in the Supplement Instructions and re- ittances can be sent to us direct or through the adver- sers, correspondents in this country.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 16 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of 1/-

A.A.A.A.—QUALIFIED Chemist desires any position of trust; London Managership preferred; held last post 8½ years. "Chemist," 13 Coniger Road, Parsons Green, S.W. 6.

A.A.—UNQUALIFIED; single; 33 years; tall; experienced all branches; Locum or permanent. "Chemicus," c/o 59 Catherine Street, Chester.

A CHEMIST, 44, disengaged; qualified; good Dispensing experience; Locum or permanency; satisfactory references. "Chemist," 72 Bovill Street, Radford, Nottingham.

A COMPETENT Manager, Assistant, or Locum; excellent Dispenser and Counterman; moderate salary; good references. "Disengaged" (179/20), Office of this Paper.

A MINOR Student, 25, desires post, part-time or permanency; 6 years' excellent experience all branches, Window-dressing, Photography, and Optical Repairs. "Annod," 52 Hemberton Road, Stockwell, S.W. 9.

A M.P.S. and R.D.S., married, middle-aged, gentlemanly, successful; accept small salary with house. "Pharmadental," The Willows, Talke, Staffs.

A PERMANENCY required as Manager or Senior, preferably in London area; qualified; 15 years' good all-round experience, including West End and Continental; fluent French; disengaged end of October; succession considered. Apply Diplock, 121 Warwick Street, Victoria, S.W.

A QUALIFIED Chemist as Manager or Assistant; 20 years' experience; permanency preferred; disengaged at present. Davies, Ty Cwrdd, Lywynhendy, Llanelly.

A QUALIFIED Assistant, 27, disengaged, desires permanency; good experience Dispensing and Counter. Weavers, 16 Heslington Road, York.

A QUALIFIED Assistant (22), with excellent Retail experience, desires position, either as Assistant or Manager; excellent references; disengaged; moderate terms. Apply J. H. Stancliffe, Highfield Road, Idle, Bradford.

A RELIABLE Manager or Assistant; 25 years' experience, including fair knowledge of Optics; South of England preferred; unqualified; good references. Sugden, 43 Hall Royd, Shipley, Yorks.

ACTIVE Qualified Manager (36) seeks similar position; 8½ years' successful London Managership; first-class West-End Dispensing experience; good-class London district preferred; partnership entertained. "M.P.S.," 8 Priory Villas, Friern Barnet, N. 11.

ADVERTISER, now acting Locum Manager, desires similar; temporary or permanent; abstainer; qualified. "Chemist," Alder, 35 Granby Street, Liverpool.

APOTHECARIES' HALL.—Young Lady, holding this certificate, requires part-time engagement. Apply A. D. S., 7 Pownall Gardens, Hounslow.

ARE YOU THERE???—Qualified man speaking; 25; energetic; experienced; Assistant or Manager; permanency required. Holding on!!! Apply 177/35, Office of this Paper.

AS Manager of Drug Stores, with view to succession; age 34; 18 years' experience; good Prescriber, Photographics, etc. Apply 178/36, Office of this Paper.

AS qualified Manager or Locum; disengaged; good all-round experience; town or country. J. Fraser, 57 Cranbury Road, Fulham, S.W.

ASSISTANT; lady; age 20, tall; four years' experience Dispensing, Counter, Stock, Photography, etc. Apply 174/12, Office of this Paper.

ASSISTANT, 21, unqualified, five years' experience, desires evening and relief duty; references. "Diethyl," 9 Campbell Road, Walthamstow, E. 17.

ASSISTANT; middle-aged, single; well experienced and reliable; active, courteous; well recommended; middle-class. "Delta," 68 Addison Street, Nottingham.

ASSISTANT, highly recommended, energetic and trustworthy, unqualified, 26, requires permanent position (immediately); good all-round experience, including Photography; smart appearance; disengaged. Full particulars, salary offered, Corrigan, 96 Chapel Street, Luton.

ASSISTANT; unqualified; 33; married; good all-round experience Counter, Dispensing; good references; disengaged. E., 22 St. Luke's Road, Clapham, S.W. 4.

ASSISTANT; unqualified; 30; tall; abstainer; varied London and provincial experience; disengaged. "Statim," 100 Ledbury Road, London, W. 11.

ASSISTANT (30), single, tall, desires post; good-class Dispensing experience; knowledge of Photography. "Pharmacist," 73 Coburg Street, Plymouth.

AT YOUR SERVICE!—A qualified man, 40, married; tactful, courteous, progressive, original; experienced Retail, Dispensing, Store, Photography, Window-dressing, etc.; disengaged; town, country, seaside, or village; view gradual succession, but not essential. "Patent" (174/16), Office of this Paper.

BIRMINGHAM.—Manager or Senior; qualified; 31, tall; experienced; excellent references. "Pharmacist," 11 Woodhurst Road, Moseley, Birmingham.

BRANCH Manager; qualified; middle-age; Manchester or surroundings preferred; if small living accommodation attached a consideration; personal interview preferred. Apply "Delta" (176/28), Office of this Paper.

BRANCH Manager or Assistant; qualified; young; energetic; trustworthy; abstainer; London experience; permanency; references; £4 15s. Apply 178/32, Office of this Paper.

BRANCH Manager, qualified; large experience; sober and industrious; late positions 3, 5, 7 years. 39 Church Avenue, East Sheen.

BRANCH Manager or Qualified Assistant open for engagement at once; salary reasonable; references good; not afraid of work. "Statim" (180/390), Office of this Paper.

CAPABLE, qualified Pharmacist, 39, desires post of Manager or Senior Assistant; energetic and trustworthy; high-class Dispensing and Counter experience; Photography; excellent references; disengaged. Apply 168/15. Office of this Paper.

CHEMIST (40), qualified, Manager and Buyer for over 10 years, desires change; well up all round; used to quick business. Send particulars, and if with right to succession, to 180/27, Office of this Paper.

CHEMIST, qualified, disengaged, as Manager, Assistant, or Locum; long and varied experience; steady, active, and reliable; good references. "Rex" (180/39), Office of this Paper.

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "F. G." (207/37), Office of this Paper.

COMPETENT lady requires permanent post; first-class experience Dispensing and Counter. Apply 176/38, Office of this Paper.

COUNTRY or small town berth wanted by unqualified; 26, married; well recommended. Fullest particulars on application, "Botany" (176/37), Office of this Paper.

DISABLED M.P.S.; young, energetic; good all-round Dispensing experience; small salary. Apply 175/19, Office of this Paper.

DISENGAGED November 1 (36); qualified; 15 years' good all-round experience. 178/38, Office of this Paper.

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DISPENSER (lady), thoroughly experienced, desires whole- or part-time post. Miss B. Warrington, 48 Buckleigh Road, Streatham.

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EXPERIENCED Drug Stores Manager or Assistant; would entertain succession; moderate salary. "Chemicus," 58 Gipsy Hill, S.E.

ITALIAN Lady, speaks English, would like position as Chemist's Assistant; 6 years' experience. 13 Faine Park Road, Putney, S.W. 15.

JUNIOR, age 20, desires position with good firm. Neal, 7 Woodfield Road, Tonbridge.

JUNIOR (24) desires situation immediately; South Wales preferred; five years' Dispensing, Counter, and Photographics experience; recent London College training; references. Apply "Cymro" (176/32), Office of this Paper.

LADY Dispenser (Hall) desires post; Doctor, Institution, Chemist; experienced Bookkeeper; permanency. Apply "S.," 10 Gauden Road, Clapham, S.W. 4.

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LADY, unqualified, 24 years age, six years' Retail, two years' Drug Stores Manageress, desires post; N. Wales for preference. Apply 178/60, Office of this Paper.

LADY (unqualified), 24, desires post in high-class Pharmacy or with Doctor; country; would come for board and lodging and just a small sum weekly in order to gain Dispensing experience; Chester district preferred; excellent references; six years' experience. Apply 178/6, Office of this Paper.

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M.P.S., LADY, 4½ years' experience, excellent testimonials, desires post, Hospital, Institution, or with Chemist; permanency or Locum; London essential. P.C.B. 28/20, Office of this Paper.

MANAGER, qualified, smart, single, good Business-builder, requires change; smart Salesman; good Dispenser; Photography; salary and percentage of increase in turnover. "Keen," 6 Mayflower Road, Stockwell, S.W. 9.

MANAGER or otherwise; City and country all-round experience; competent, reliable, etc.; elderly; qualified; good references; moderate salary. W., 35 Hatcham Park Road, S.E. 14.

MANAGER; 48; qualified; or view to succession; good all round; London experience. H. Jones, 9 Lark Hall Lane, Clapham.

MANAGER, experienced, energetic, progressive; highest references. E. S. H., 24 Aldbourne Road, W. 12.

MANAGER, qualified; thorough experience in good-class Dispensing business and used to control of staff; disengaged in November; London district preferred. 180/1, Office of this Paper.

MANAGER; widely experienced; present situation 5½ years; Apoth. Hall qualification, matric., and indentured apprenticeship; 39; married; excellent references. "X." (179/30), Office of this Paper.

MANAGER, qualified; long and thorough experience in all branches; single; age 49. Apply 179/1, Office of this Paper.

MANAGER, qualified; long and thorough experience in all branches, town and country; permanency; disengaged; married. Salary and details to "Omar," 26 Fox Hill, S.E. 19.

MANAGERSHIP required in small town or village; South of England preferred; country or sea coast; with view to succession at early date. Apply Moon, Sharcott, Pewsey, Wilts.

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QUALIFIED (26); experienced; highest references; moderate salary; Town or South. D., 17 Alma Terrace, Arthur Road, Windsor.

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SOUTH OF FRANCE OR SWITZERLAND.—Lady Pharmacist, qualified, excellent references, West-End, London, and Paris experience, knowledge of French, requires post, South of France or Switzerland. Apply 172/35, Office of this Paper.

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